

# Product Datasheet

## Recombinant Human Phospholipase D2 GST (N-Term) Protein H00005338-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00005338-P01-2ug****Recombinant Human Phospholipase D2 GST (N-Term) Protein**

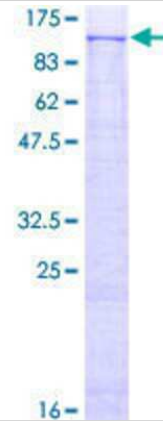
| <b>Product Information</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                | 2 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>            | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>                  | Store at -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Preservative</b>             | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                   | >80% by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer</b>                   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Target Molecular Weight</b>  | 132.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Product Description</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>              | <p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-933 of Human PLD2</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b><br/> MTATPESLFPTGDELDSSQLQMESDEVDTLKEGEDPADRMHPFLAIYELQSLK<br/> VHPLVFAPGVPVTAQVVGTERYTSGSKVGTCTLYSVRLTHGDFSWTTKKKYR<br/> HFQELHRDLLRHKVLMSLLPLARFAVAYSPARDAGNREMPSPRAGPEGSTR<br/> HAASKQKYLENYLNCLLTMSFYRNYHAMTEFLEVSQLSFIPDLGRKGLEGMIRK<br/> RSGGHRVPGLTCCGRDQVCYRWSKRWL VVKDSFLLYMCLETGAISFVQLFDP<br/> GFEVQVGKRSTEARHGVRIDTSHRSLILKCSSYRQARWWAQEITELAQGPGRD<br/> FLQLHRHDSYAPPRPGTLARWVNGAGYFAAVADAILRAQEEIFITDWWLSPE<br/> VYLKRPASDDWRLDIMLKRKAEEGVRSILLFKEVELALGINSYGYSKRALMLL<br/> HPNIKVMRHPDQVTLWAHHEKLLVVDQVVAFLGGDLAYGRWDDLHYRLTDL<br/> GDSSESAASQPPTPRPDSPATPDL SHNQFFWL GKDYSLNLT KD WVQLDRPFE<br/> DFIDRETTPRMPWRDVG VVHGLPARDLARHFIQRWNFTKTTKAKYKTPIYPYL<br/> LPKSTSTANQLPFTLPGGQCTTVQVLRSDRWSAGTLENSILNAYLHTIRESQH<br/> FLYIENQFFISCDGRTVLNKGDEIVDRILKAHKQGW CYRVYVLLPLLPGFEGD<br/> ISTGGGNSIQAILHFTYRTL CRGEYSILHRLKAAMGTAWRDYISICGLRTHGELG<br/> GHPVSELIYIHSKVL IADDRTVIIGSANINDRSLLGKRDSELAVLIEDTETEPSLMN<br/> GAEQAGRFALSLRKHC FGVILGANTRPDLDLRDPICDDFFQLWQDMAESNAN<br/> IYEQIFRCLPSNATRSRLTLREYVAVEPLATVSPPLARSEL TQVQGH LVHFPLKF<br/> LEDESLLPPLGSKEGMIPLEVWT</p> |
| <b>Gene ID</b>                  | 5338                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Symbol</b>              | PLD2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Preparation Method</b>       | in vitro wheat germ expression system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Details of Functionality</b> | This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>                    | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Product Application Details**

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, ELISA, Protein Array, Immunoaffinity Purification |
| <b>Recommended Dilutions</b> | Western Blot, ELISA, Protein Array, Immunoaffinity Purification |

## Images

12.5% SDS-PAGE Stained with Coomassie Blue.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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