

# Product Datasheet

## Recombinant Human RPTOR GST (N-Term) Protein H00057521-P01-10ug

Unit Size: 10 ug

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

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**H00057521-P01-10ug****Recombinant Human RPTOR GST (N-Term) Protein**

| <b>Product Information</b>     |                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------|
| <b>Unit Size</b>               | 10 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> | 69.7 kDa                                                                                    |

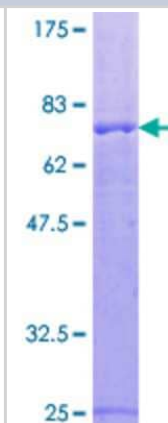
| <b>Product Description</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>              | <p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-379 of Human RPTOR</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b><br/> MESEMLQSPLLGLGEEDEADLTDWNLPLAFMKKRHCEKIEGSKSLAQSWRMK<br/> DRMKTVSVALVLCNLVGVDPDPDVVKTTPCARLECWIDPLSMGPQKALETIGAN<br/> LQKQYENWQPRARYKQSLDPTVDEVKKLCTSLRRNAKEERVLFHYNGHGVPR<br/> PTVNGEVVWFNKNYTQYIPLSIYDLQTMGSPSIFVYDCSNAGLIVKSFQFAL<br/> QREQELEVAAINPNHPLAQMPLPPSMKNCIQLAACEATELLPMIPDLPADLFTS<br/> CLTTPIKIALRWFCMQKCVSLVPGVTLDLIEKIPGRLNDRRTPLGELNWIFTAITD<br/> TIAWNVLPRDLFQKLFRQDLLVASLFRNFLAERIMRSYNCTPVSSPRLPPTYM<br/> HAMW</p> |
| <b>Gene ID</b>                  | 57521                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Symbol</b>              | RPTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| <b>Product Application Details</b> |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| <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.



## Publications

Kouloulia S, Hallin EI, Simbriger K, et al. Raptor-Mediated Proteasomal Degradation of Deamidated 4E-BP2 Regulates Postnatal Neuronal Translation and NF-kappa B Activity Cell Rep 2019-12-10 [PMID: 31825840] (Human)

Schoenherr RM, Huang D, Voytovich UJ et al. A dataset describing a suite of novel antibody reagents for the RAS signaling network Sci Data 2019-08-29 [PMID: 31467290]



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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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