

# Product Datasheet

## Recombinant Human HDAC1 GST (N-Term) Protein H00003065-P01-10ug

Unit Size: 10 ug

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

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**H00003065-P01-10ug****Recombinant Human HDAC1 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> | 78.76 kDa   |

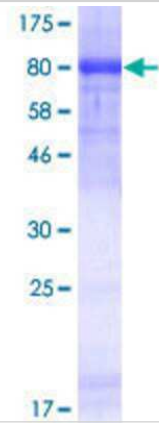
| <b>Product Description</b>      |   |
|---------------------------------|---|
| <b>Description</b>              | <p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-482 of Human HDAC1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b><br/> MAQTQGTRRKVCYYYDGDVGNYYYYGQGHMPKPHRIRMTHNLLLNYGLYRKM<br/> EIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFD<br/> GLFEFCQLSTGGSVASAVKLNKQQTDIAVNWAGGLHHAKKSEASGFCYVNDIV<br/> LAILELLKYHQRVLYIDIDIHHGDGVVEAFYTTDRVMTVSFHKYGEYFPGTGDLR<br/> DIGAGKGKYYAVNYPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVLQCGSDS<br/> LSGDRLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGYTIRNVARCWTYETAV<br/> ALDTEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRML<br/> PHAPGVQMQAIPEDAIPESGDEDEDDPDKRISICSSDKRIACEEEFSDSEEEG<br/> EGGRKNSSNFKKAKRVKTEDEKEKDPEEKKEVTEEEKTKEEKPEAKGVKEEVK<br/> LA</p> |
| <b>Gene ID</b>                  | 3065  |
| <b>Gene Symbol</b>              | HDAC1   |
| <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

Liu MY, Khachigian LM., et al. Histone deacetylase-1 is enriched at the platelet-derived growth factor-D promoter in response to interleukin-1beta and forms a cytokine-inducible gene-silencing complex with NF-kappaB p65 and interferon regulatory factor-1. J Biol Chem 2009-12-11 [PMID: 19843519]

Esposito F, Pierantoni GM, Battista S et al. Interaction between HMGA1 and retinoblastoma protein is required for adipocyte differentiation. J Biol Chem 284(19):12691-700. 2009-09-18 [PMID: 19633359]





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### **Products Related to H00003065-P01-10ug**

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|               |                                       |
|---------------|---------------------------------------|
| NBP1-83350PEP | HDAC1 Recombinant Protein Antigen     |
| NB100-56519   | DNMT1 Antibody (60B1220.1) - BSA Free |
| NB100-56340   | HDAC1 Antibody                        |
| NB200-103     | p53 Antibody (PAb 240) - BSA Free     |

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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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