

# Product Datasheet

## Recombinant Human eIF4B GST (N-Term) Protein H00001975-P01-10ug

Unit Size: 10 ug

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

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### Publications: 3

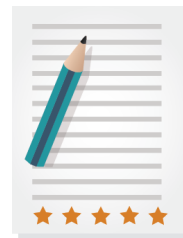
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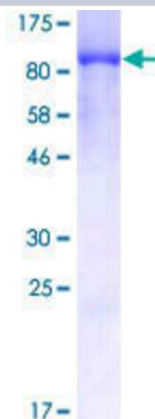
**H00001975-P01-10ug****Recombinant Human eIF4B GST (N-Term) Protein**

| <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>     | 95.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Product Description</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>                 | <p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-611 of Human EIF4B</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b><br/> MAASAKKKKNGKGTISLTDFLAEDGGTGGGSTYVSKPVSWADETDDLEGDVS<br/> TTWHSNDDDVYRAPPIDRSILPTAPRAAREPNIDRSRLPKSPPYTAFLGNLPYD<br/> VTEESIKEFFRGLNISAVRLPREPSNPERLKGFGYAEFEDLDSLLSALSNEESL<br/> GNRRIRVDVADQAQDKDRDDRSFGRDRNRDSDKTDTDWRARPATDSFDDYP<br/> PRRGDDSFQDKYRDYDSDRYRDGYRDGYRDGPCRDMDRYGGDRYDDR<br/> GSRDYDRGYDSRIGSGRRAFSGSYRRDDYRGGGDRYEDRYDRRDDRWS<br/> SRDDYSRDDYRRDDRGPQRPKLNLKPRSTPKEDDSSASTSQSTRAASIFGG<br/> AKPVDTAAREEREVEERLQKEQEKLRQLDEPKLERRPRERHPSWRSEETQER<br/> ERSRTGSESSQTGTSTTSSRNARRRESEKLENETLNKEEDCHSPTSKPPKPD<br/> QPLKVMPPPPKENAWVKRSSNPPARSQSSDTEQQSPTSGGGKVAPAPQSE<br/> EGPGRKDENKVDGMNAPKGQTGNSSRGPDGGNRDHWKESDRKDGKKDQ<br/> DSRSAPEPKPEENPASKFSSASKYAALSVDGEDENEGEDYAE</p> |
| <b>Gene ID</b>                     | 1975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Symbol</b>                 | EIF4B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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, Kinase Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Recommended Dilutions</b>       | Western Blot, ELISA, Protein Array, Immunoaffinity Purification, Kinase Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



## Images

Recombinant Human eIF4B Protein [H00001975-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Wang Y, Begley M, Li Q et al. Mitotic MELK-eIF4B signaling controls protein synthesis and tumor cell survival. *Proc Natl Acad Sci U S A* 2016-07-07 [PMID: 27528663]

Chen Y, Lin YP, Chow LP, Lee TC. Proteomic Identification of Hsp70 as a new Plk1 Substrate in Arsenic Trioxide-Induced Mitotically Arrested Cells. *Proteomics*. 2011-09-02 [PMID: 21887822]

Cen B, Xiong Y, Song JH et al. The Pim-1 Protein Kinase Is an Important Regulator of MET Receptor Tyrosine Kinase Levels and Signaling. *Mol Cell Biol*. 2014-04-28 [PMID: 24777602]



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### **Products Related to H00001975-P01-10ug**

|               |                                                       |
|---------------|-------------------------------------------------------|
| NBP2-54943PEP | eIF4B Recombinant Protein Antigen                     |
| AF887         | AKT [p Ser473] Antibody [Unconjugated] - Pan Specific |
| NBP2-37488    | eIF4B Antibody (1F5) - BSA Free                       |
| NB200-157     | 4EBP1 Antibody                                        |

### **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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