

# Recombinant Full Length Human EIF4B Protein

**Cat. No.** EIF4B-146HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human eIF4B with a N terminal proprietary tag: predicted molecular weight 93.28 kDa inclusive of tag.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 611 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | eIF4B is required for the binding of mRNA to ribosomes. It functions in close association with eIF4F and eIF4A. It binds near the 5-terminal cap of mRNA in the presence of eIF4F and ATP.                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 93.280kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MAASAKKKNKKGKTISLTDFLAEDGGTGGGSTYVSKPVSW ADETDDLEGDVSTTW<br>HSNDDDVYRAPPIDRSILPTAPRAA REPNIDRSRLPKSPPYTAFLGNLPYDVTEESIK<br>EFFRGLN ISAVRLPREPSNPERLKGFGYAEFEDLDSLLSALSNEES LGNRRIRVDV<br>ADQAQDKDRDDRSFGRDRNRDSDKTDTDWR ARPATDSFDDYPPRRGDDSF GDK<br>YRDRYDSDRYRDGYRDG YRDGPCRDMDRYGGDRYDDRGSRDYDRGYDSRIGS<br>GRR A FGSGYRRDDYRGGGDRYEDRYDRRDDRWSRSSRDDYSRDD YRRDDRGP<br>PQRPKLNKPRSTPKEDDSSASTSQSTRAASI FGGAKPVDTAAREREVEERLQKEQ<br>EKLQRQLDEPKLERRP RERHPSWRSEETQERERSRTGSESSQTGTSTTSSRNAR |

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RR ESEKSLENETLNKEEDCHSPTSKPPKPDQPLKVMPPPK ENAWVKRSSNPPA  
RSQSSDTEQQSPTSGGGKVAPAQPSEE GPGRKDENKVDGMNAPKGQTGNSSRG  
PGDGGNRDHWKESD RKGKKDQDSRSAPEPKKPEENPASKFSSASKYAALSVDG  
EDENEGEDYAE

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** EIF4B eukaryotic translation initiation factor 4B [ Homo sapiens ]

**Official Symbol** EIF4B

**Synonyms** EIF4B; eukaryotic translation initiation factor 4B

**Gene ID** 1975

**mRNA Refseq** NM\_001417

**Protein Refseq** NP\_001408

**MIM** 603928

**UniProt ID** P23588

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