

# 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>	<p>MAASAKKKNKKGKTISLTDFLAEDGGTGGGSTYVSKPVSW ADETDDLEGDVSTTW            HSNDDDVYRAPPIDRSILPTAPRAA REPNIDRSRLPKSPPYTAFLGNLPYDVTEESIK            EFFRGLN ISAVRLPREPSNPERLKGFGYAEFEDLDSLLSALSLSNEES LGNRRIRVDV            ADQAQDKDRDDRSFGRDRNRDSDKTDTDWR ARPATDSFDDYPPRRGDDSFQDK            YRDRYDSDRYRDGYRDG YRDGPCRDMDRYGGRDRYDDRGRSDYDRGYDSRIGS            GRRF FGSGYRRDDYRGGGDRYEDRYDRRDDRWSRRDDYSRDD YRRDDRGP            PQRPKLNLKPRSTPKEDDSSASTSQSTRAASI FGGAKPVDTAAREREVEERLQKEQ            EKLQRQLDEPKLERRP RERHPSWRSEETQERERSRTGSESSQTGTSTTSSRNAR</p>

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RR ESEKLENETLNKEEDCHSPTSKPPKPDQPLKVMPPPK ENAWVKRSSNPPA  
 RSQSSDTEQQSPTSGGGKVAPAQPSEE GPGRKDENKVDGMNAPKGQTGNSSRG  
 PGDGGNRDHWKESD RKDGGKQDQSRSAPEPKKPEENPASKFSSASKYAALSVDG  
 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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