

## Product datasheet for **TP309955**

### EIF4B (NM\_001417) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human eukaryotic translation initiation factor 4B (EIF4B), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC209955 representing NM\_001417

**Red**=Cloning site **Green**=Tags(s)

MAASAKKKKNGKGTISLTDFLAEDGGTGGGSTYVSKPVSWAETDDLEGDVSTTWHSNDDDVYRAPPIDR  
SILPTAPRAAREPNIDRSRLPKSPPYTAFLGNLPYDVTEESIKEFFRGLNISAVRLPREPSNPERLKGFG  
YAEFEDLDSLLSALSLSNEESLGNRRIRVDVADQAQDKDRDDRSFGRDRNRSDKTDTDWRARPATDSFDD  
YPPRRGDDSFQDKYRDYDSDRYRDGYRDGYRDGPRRDMDRYGGRDRYDDRGRDYDRGYDSRIGSGRRA  
FGSGYRRDDDYRGGGDRYEDRYDRRDRSSRDRDYRDRDRGPPQRPKLNKPRSTPKEDDSSAS  
TSQSTRAASIFGGAKPVDTAAREREVEERLQKEQEKLRQLDEPKLERRPRERHPSWRSEETQERERSRT  
GSESSQTGTSTTSSRNARRRESEKSLNETLNKEEDCHSPTSCKPKPDQPLKVMPPPPKENAWVKRSSN  
PPARSQSSDTEQQSPTSGGGKVAPAQPSEEGPGRKDENKVDGMNAPKGGTGNSSRGPDGGNRDHWKESD  
RKDGKKDQDSRSAPEPKPEENPASKFSSASKYAALSVDGEDENEGEDYAE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 69 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

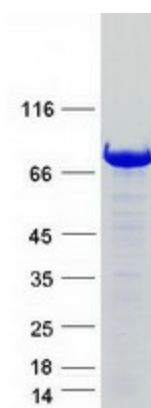
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001408</a>
<b>Locus ID:</b>	1975
<b>UniProt ID:</b>	<a href="#">P23588</a>
<b>RefSeq Size:</b>	3885
<b>Cytogenetics:</b>	12q13.13
<b>RefSeq ORF:</b>	1833
<b>Synonyms:</b>	EIF-4B; PRO1843
<b>Summary:</b>	Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F. [UniProtKB/Swiss-Prot Function]
<b>Protein Pathways:</b>	mTOR signaling pathway

### Product images:



Coomassie blue staining of purified EIF4B protein (Cat# TP309955). The protein was produced from HEK293T cells transfected with EIF4B cDNA clone (Cat# [RC209955]) using MegaTran 2.0 (Cat# [TT210002]).