

Product datasheet for **TP309955M**

EIF4B (NM_001417) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human eukaryotic translation initiation factor 4B (EIF4B), 100 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
FGSGYRRDDDYRGGGDRYEDRYDRRDRSWSSRDYSRDDYRRDDRGPQRPKLNKPRSTPKEDDSSAS
TSQSTRAASIFGGAKPVDTAAREREVEERLQKEQEKLRQLDEPKLERRPRERHPSWRSEETQERERSRT
GSESSQTGTSTTSSRNARRRESEKSLNETLNKEEDCHSPTSCKPKPDQPLKVMPPPPKENAWVKRSSN
PPARSQSSDTEQQSPTSGGGKVAPAQPSEEGPGRKDENKVDGMNAPKGQTGNSSRGPGDGGNRDHWKESD
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.

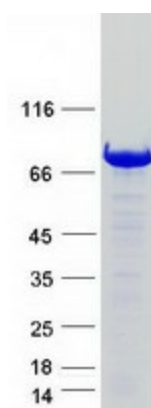
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001408
Locus ID:	1975
UniProt ID:	P23588
RefSeq Size:	3885
Cytogenetics:	12q13.13
RefSeq ORF:	1833
Synonyms:	EIF-4B; PRO1843
Summary:	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]
Protein Pathways:	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]).