

Recombinant Human EIF4B

Cat. No. EIF4B-27411TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human eIF4B with a N terminal proprietary tag: predicted molecular weight 93.28 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	611 amino acids
Description	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.
Molecular Weight	93.280kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	MAASAKKKNKKGKTI SLTDFLAEDGGTGGGSTYVSKPVSW ADETDDLEGDVSTTW

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acids

HSNDDDVYRAPPIDRSILPTAPRAA REPNIDRSRLPKSPPYTAFLGNLPYDVTEESIK
 EFFRGLN ISAVRLPREPSNPERLKGFGYAEFEDLDSLLSALSNEES LGNRRIRVDV
 ADQAQDKDRDDRSFGRDRNRDSDKTDTDWR ARPATDSFDDYPPRRGDDSF GDK
 YRDRYDSDRYRDGYRDG YRDGPCRDMDRYGGDRYDDRGRSDYDRGYDSRIGS
 GRRRA FGSGYRRDDDYRGGGDRYEDRYDRRDDRWSRRDDYSRDD YRRDDRGP
 PQRPKLNLKPRSTPKEDDSSASTSQSTRAASI FGGAKPVDTAAREREVEERLQKEQ
 EKLQRQLDEPKLERRP RERHPSWRSEETQERERSRTGSESSQTGTSTTSSRNAR
 RR ESEKLENETLNKEEDCHSPTSKPPKPDQPLKVMPPPPK ENAWVKRSSNPPA
 RSQSSDTEQQSPTSGGGKVAPAQPSEE GPGRKDENKVDGMNAPKGQTGNSSRG
 PGDGGNRDHWKESD RKGKGDQDSRSAPEPKKPEENPASKFSSASKYAALSVDG
 EDENEGEDYAE

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](#)

Chromosome 12q13.13

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Location	
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem;
Function	RNA binding; nucleotide binding; translation initiation factor activity;

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