

Recombinant Human EIF4B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF4B-1229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF4B MS Standard C13 and N15-labeled recombinant protein (NP_001408) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	69 kDa
AA Sequence	MAASAKKKKNGKGTISLTDFLAEDGGTGGGSTYVSKPVSWADETDDLEGDVSTTW HSNDDDVYRAPPIDRSILPTAPRAAREPNIDRSRLPKSPPYTAFLGNLPYDVTEESIK EFFRGLNISAVRLPREPSNPERLKGFGYAEFEDLDSLLSALSNEESLGNRRIRVDVA DQAQDKDRDDRSFGRDRNRDSDKTDTDWRARPATDSFDDYPPRRGDDSFGDKYR DRYDSDRYRDGYRDGYRDGPRRDMDRYGGRDRYDDRGSRDYDRGYDSRIGSGR RAFGSGYRRDDDYRGGGDRYEDRYDRDDRSWSSRDDYSRDDYRRDDRGPPQR PKLNLKPRSTPKEDDSSASTSQSTRAASIFGGAKPVDTAAREREVEERLQKEQEKL QRQLDEPKLERRPRERHPSWRSEETQERERSRTGSESSQTGTSTTSSRNARRRES EKSLENETLNKEEDCHSPTSKPPKPDQPLKVMPAPPPKENAWVKRSSNPPARSQS

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SDTEQQSPTSGGGKVAPAPQSEEGPGRKDENKVDGMNAPKGQTGNSSRGP GDG
GNRDHWKESDRKDGKKDQDSRSAPEPKKPEENPASKFSSASKYAALSVDGEDENE
GEDYAETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EIF4B eukaryotic translation initiation factor 4B [Homo sapiens (human)]

Official Symbol EIF4B

Synonyms EIF4B; eukaryotic translation initiation factor 4B; EIF-4B; PRO1843;

Gene ID 1975

mRNA Refseq NM_001417

Protein Refseq NP_001408

MIM 603928

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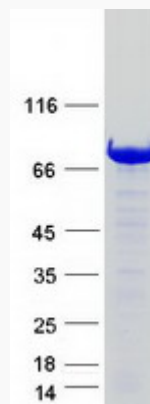
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UniProt ID

P23588

SDS-PAGE

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