Recombinant Full Length Human EIF4B Protein, C-Flag-tagged

Cat. No. EIF4B-652HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EIF4B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables RNA binding activity. Predicted to be involved in eukaryotic translation initiation factor 4F complex assembly and formation of translation preinitiation complex. Located in cytosol. Biomarker of autism spectrum disorder and major depressive disorder.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	69 kDa
AA Sequence	MAASAKKKNKKGKTISLTDFLAEDGGTGGGSTYVSKPVSWADETDDLEGDVSTTW HSNDDDVYRAPPIDR SILPTAPRAAREPNIDRSRLPKSPPYTAFLGNLPYDVTEESIK EFFRGLNISAVRLPREPSNPERLKGFG YAEFEDLDSLLSALSLNEESLGNRRIRVDV ADQAQDKDRDDRSFGRDRNRDSDKTDTDWRARPATDSFDD YPPRRGDDSFGDK YRDRYDSDRYRDGYRDGYRDGPRRDMDRYGGRDRYDDRGSRDYDRGYDSRIGS GRRA FGSGYRRDDDYRGGGDRYEDRYDRRDDRSWSSRDDYSRDDYRRDDRGP PQRPKLNLKPRSTPKEDDSSAS TSQSTRAASIFGGAKPVDTAARAREVEERLQKEQ EKLQRQLDEPKLERRPRERHPSWRSEETQERERSRT GSESSQTGTSTTSSRNAR RRESEKSLENETLNKEEDCHSPTSKPPKPDQPLKVMPAPPPKENAWVKRSSN PPA

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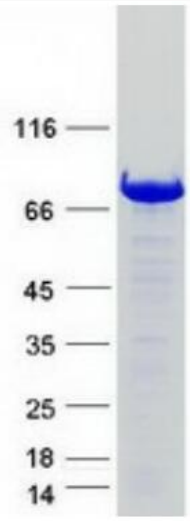
	RSQSSDTEQQSPTSGGGKVAPAQPSEEGPGRKDENKVDGMNAPKGQTGNSSRG PGDGGNRDHWKESD RKDGKKDQDSRSAPEPKKPEENPASKFSSASKYAALSVDGEDENEGEDYAETRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	mTOR signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	EIF4B eukaryotic translation initiation factor 4B [Homo sapiens (human)]
Official Symbol	EIF4B
Synonyms	EIF-4B; PRO1843
Gene ID	1975

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mRNA Refseq	NM_001417.7
Protein Refseq	NP_001408.2
MIM	603928
UniProt ID	P23588



Coomassie blue staining of purified EIF4B protein.

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