

Product datasheet for PH309955

EIF4B (NM_001417) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF4B MS Standard C13 and N15-labeled recombinant protein (NP_001408)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209955
Predicted MW:	69 kDa
Protein Sequence:	>RC209955 representing NM_001417 Red=Cloning site Green=Tags(s)

MAASAKKKNKGGKTI SLTDFLAEDGGTGGGSTYVSKPVSWAEDTDDLEGDVSTTWHSNDDVYRAPPIDR
SILPTAPRAAREPNIDRSRLPKSPPYTAFLGNLPYDVTEESIKEFFRGLNISAVRLPREPSNPERLKGFG
YAEFEDLDSLLSALSNEESLGNRRIRVDVADQAQDKDRDRSFGRDRNRSDKTDTDWRARPATDSFDD
YPPRRGDDSFQKDRYDRYSDRYRDGYRDGYRDGPRRDMDRYGGDRYDDRGSRDYDRGYDSRIGSGRRA
FGSGYRRDDYRGGDRYEDRYDRDRDRSWSSRDDYSRDDYRRDDRGPPQRPKLNKPRSTPKEDDSSAS
TSQSTRAASIFGGAKPVDTAAREREVEERLQKEQEKLRQQLDEPKLERRPRERHPSWRSEETQERERSRT
GSESSQTGTSTTSRNARRRESEKSLNETLNKEEDCHSPTSKPPKPDQPLKVMPPAPPKENAWVKRSSN
PPARSQSSDTEQQSPTSGGGKVAPAPSEEGPGRKDENKVDGMNAPKGQTGNSSRGP GDGGNRDHWKESD
RKDGKKDQDSRSAPPEPKPEENPASKFSSASKYAALSVDGEDENEGEDYAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001408
RefSeq Size:	3885
RefSeq ORF:	1833



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Synonyms: EIF-4B; PRO1843

Locus ID: 1975

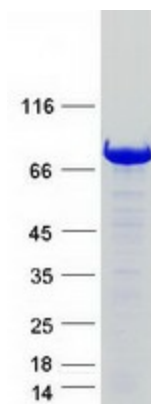
UniProt ID: [P23588](#)

Cytogenetics: 12q13.13

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]).