

Product datasheet for PH300770

EIF5A (NM_001970) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF5A MS Standard C13 and N15-labeled recombinant protein (NP_001961)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200770
Predicted MW:	16.8 kDa
Protein Sequence:	>RC200770 protein sequence Red =Cloning site Green =Tags(s) MADDLDFETGDAGASATFFPMQCSALRKNFVVLKGRPCKIVEMSTSKTGKHGHAKVHLVGIDIFTGKKYE DICPSTHNMDVPNIKRNDFQLIGIQDGYLSLLQDSGEVREDLRLPEGDLGKEIEQKYDCGEEILITVLSA MTEEAAVAIAKAMAK 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001961
RefSeq Size:	1355
RefSeq ORF:	462
Synonyms:	eIF-4D; EIF-5A; EIF5A1; eIF5AI
Locus ID:	1984
UniProt ID:	P63241

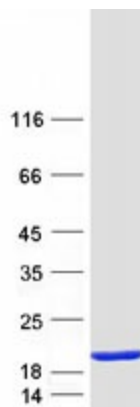


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Cytogenetics: 17p13.1

Summary: mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. Involved in actin dynamics and cell cycle progression, mRNA decay and probably in a pathway involved in stress response and maintenance of cell wall integrity. With syntenin SDCBP, functions as a regulator of p53/TP53 and p53/TP53-dependent apoptosis. Regulates also TNF-alpha-mediated apoptosis. Mediates effects of polyamines on neuronal process extension and survival. May play an important role in brain development and function, and in skeletal muscle stem cell differentiation. Also described as a cellular cofactor of human T-cell leukemia virus type I (HTLV-1) Rex protein and of human immunodeficiency virus type 1 (HIV-1) Rev protein, essential for mRNA export of retroviral transcripts.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified EIF5A protein (Cat# [TP300770]). The protein was produced from HEK293T cells transfected with EIF5A cDNA clone (Cat# [RC200770]) using MegaTran 2.0 (Cat# [TT210002]).