

Recombinant Human EIF5A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF5A-2862H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF5A MS Standard C13 and N15-labeled recombinant protein (NP_001137234) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	16.8 kDa
AA Sequence	MADDLDFETGDAGASATFPMQCSALRKNGFVVLKGRPCKIVEMSTSKTGKHGHAK VHLVGIDIFTGKKYEDICPSTHNMDVPNIKRND FQLIGIQDGYLSLLQDSGEVREDLRL

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	PEGDLGKEIEQKYDCGEEILITVLSAMTEEA AVAIKAMAKTRTRPLEQKLISEEDLAAN DILDYKDDDDKV
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	EIF5A eukaryotic translation initiation factor 5A [Homo sapiens (human)]
Official Symbol	EIF5A
Synonyms	EIF5A; eukaryotic translation initiation factor 5A; eukaryotic translation initiation factor 5A-1; EIF 5A; EIF5A1; MGC99547; MGC104255; eIF-4D; eIF-5A1; eIF-5A-1; rev-binding factor; eukaryotic initiation factor 5A; EIF-5A; eIF5AI;
Gene ID	1984
mRNA Refseq	NM_001143762
Protein Refseq	NP_001137234
MIM	600187

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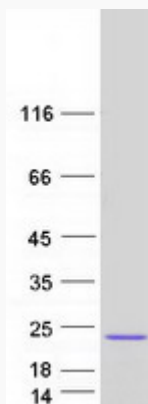
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UniProt ID

P63241

SDS-PAGE

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