

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	MADDLDFETGDAGASATFPMQCSALRKNQFVVLKGRPCKIVEMSTSKTGKHGHAK VHLVGIDIFTGKKYEDICPSTHNMDVPNIKRNDQFLIGIQDGYLSLLQDSGEVREDLRL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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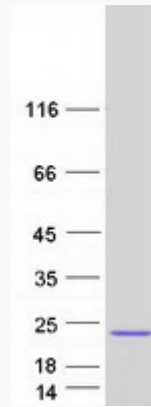
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UniProt ID

P63241

SDS-PAGE



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