

## Product datasheet for TP300770L

### EIF5A (NM\_001970) Human Recombinant Protein

#### Product data:

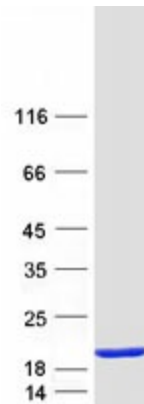
|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human eukaryotic translation initiation factor 5A (EIF5A), transcript variant B, 1 mg   |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC200770 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | MADDLDFETGDAGASATFPMQCSALRKNGFVVLKGRPCKIVEMSTSKTGKHGHAKVHLVGDIFTGKKYE<br>DICPSTHNMDVPNIKRNDFQLIGIQDGYLSLLQDSGEVREDLRLPEGDLGKEIEQKYDCGEEILITVLSA<br>MTEEA AVAIKAMAK |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>   |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 16.7 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.               |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                      |
| RefSeq:                               | <a href="#">NP_001961</a>  |
| Locus ID:                             | 1984   |
| UniProt ID:                           | <a href="#">P63241</a>   |



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|               |   |
|---------------|---|
| RefSeq Size:  | 1355  |
| Cytogenetics: | 17p13.1   |
| RefSeq ORF:   | 462   |
| Synonyms:     | eIF-4D; EIF-5A; EIF5A1; eIF5AI  |
| 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]).