

## Product datasheet for **TP306301L**

### EIF5 (NM\_001969) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human eukaryotic translation initiation factor 5 (EIF5), transcript variant 1, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC206301 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                               |

MSVNVNRSVSDQFYRYKMPRLIAKVEGKNGIKTVIVNMVDVAKALNRPPTYPTKYFGCELGAQTQFDVK  
NDRYIVNGSHEANKLQDMLDGFIIKKFVLCPECENPETDLHVNPKKQTIGNSCKACGYRGLDTHHKLCTF  
ILKNPPENS DSGTGKKEKEKKNRKGKDKENGSVSSSETPPPPPPNEINPPHTMEEEEDDWGEDTTEE  
AQRRRMDEISDHAKVLTLSDDLERTIEERVNILDFVKKKKEEGVIDSSDKEIVAEAERLDVKAMGPLVL  
TEVLFNEKIREQIKKYRRHFLRFCHNNKAKRYLLHGLECVVAMHQAQLISKIPHILKEMYDADLLEEEV  
IISWSEKASKKYVSKELAKEIRVKAEPFIKWLKEAEEEESSGGEEEDENIEVVYKAAASVPKVETVKS  
NKDDDDIDDAI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 49 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.        |



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RefSeq: [NP\\_001960](#)

Locus ID: 1983

UniProt ID: [P55010](#), [A0A024R6Q1](#)

RefSeq Size: 5963

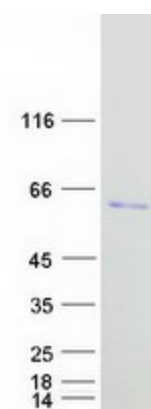
Cytogenetics: 14q32.32

RefSeq ORF: 1293

Synonyms: EIF-5; EIF-5A

**Summary:** Eukaryotic translation initiation factor-5 (EIF5) interacts with the 40S initiation complex to promote hydrolysis of bound GTP with concomitant joining of the 60S ribosomal subunit to the 40S initiation complex. The resulting functional 80S ribosomal initiation complex is then active in peptidyl transfer and chain elongations (summary by Si et al., 1996 [PubMed 8663286]).[supplied by OMIM, May 2010]

### Product images:



Coomassie blue staining of purified EIF5 protein (Cat# [TP306301]). The protein was produced from HEK293T cells transfected with EIF5 cDNA clone (Cat# [RC206301]) using MegaTran 2.0 (Cat# [TT210002]).