

## Product datasheet for **TP301271L**

### EIF1 (NM\_005801) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human eukaryotic translation initiation factor 1 (EIF1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC201271 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSAIQNLHSFDPFADASKGDDLLPAGTEDYIHIRIQQRNGRKTLLTVQGIADDDYDKKKLVKAFKKKFKACN  
GTVIEHPYGEVIQLQGDQRKNICQFLVEIGLAKDDQLKVHGF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 12.6 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:** [NP\\_005792](#)

**Locus ID:** 10209

**UniProt ID:** [P41567](#), [Q6IAV3](#)

**RefSeq Size:** 1326

**Cytogenetics:** 17q21.2



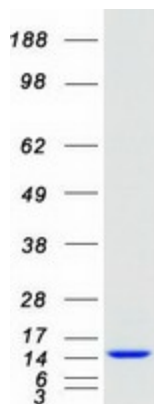
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RefSeq ORF: 339

Synonyms: A121; EIF-1; EIF1A; ISO1; SUI1

Summary: Necessary for scanning and involved in initiation site selection. Promotes the assembly of 48S ribosomal complexes at the authentic initiation codon of a conventional capped mRNA. [UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified EIF1 protein (Cat# [TP301271]). The protein was produced from HEK293T cells transfected with EIF1 cDNA clone (Cat# [RC201271]) using MegaTran 2.0 (Cat# [TT210002]).