

## Product datasheet for **TP310476L**

### TRIT1 (NM\_017646) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human tRNA isopentenyltransferase 1 (TRIT1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC210476 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MASVAAARAVPVGSLRGLQRTLPLVWILGATGTGKSTLALQLGQRLGGEIVSADSMQVYEGLDIITNKV  
SAQEQRICRHHMISFVDPLVTNYTVDFRNRATALIEDIFARDKIPIVWGGTNYIESLLWKVLVNTKPQ  
EMGTEKVIDRKVELEKEDGLVLHKRLSQVDPMAAKLHPHDKRKVARSLQVFEETGISHSEFLHRQHTEE  
GGGPLGGPLKFSNPCILWLHADQAVLDERLDKRVDDMLAAGLLEELRDFHRRYNQKNVSENSQDYQHGF  
QSIGFKEFHEYLITEGKCTLETSNQLLKKGIEALKQVTKRYARKQNRWKNRFLSRPGPIVPPVYGLEVS  
DVSKWEESVLEPALEIVQSFQGHKPTATPIKMPYNEAENKRSYHLCDLDCDRIIIIGDREWAHHIKSKSHL  
NQLKKRRRLDSDAVNTIESQSVSPDHNKEPKEKGGSPGQNDQELKCSV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 52.5 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\\_060116](#)



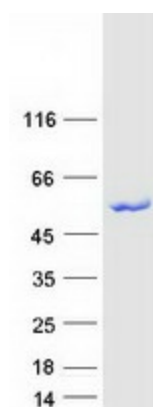
[View online »](#)

Locus ID: 54802  
UniProt ID: [Q9H3H1](#), [Q3T7C7](#), [Q53F11](#)  
RefSeq Size: 2146  
Cytogenetics: 1p34.2  
RefSeq ORF: 1401  
Synonyms: COXPD35; GRO1; hGRO1; IPPT; IPT; IPTase; MOD5

**Summary:** This gene encodes a protein that is targeted to the mitochondrion and modifies transfer RNAs (tRNAs) by adding a dimethylallyl group onto the adenine at position 37. This modification is important for maintaining the correct reading frame during protein translation. This gene is considered a tumor suppressor and its expression can decrease cell growth. Alternative splicing results in multiple transcripts variants, most of which are likely non-functional. [provided by RefSeq, Aug 2015]

**Protein Pathways:** Metabolic pathways

### Product images:



Coomassie blue staining of purified TRIT1 protein (Cat# [TP310476]). The protein was produced from HEK293T cells transfected with TRIT1 cDNA clone (Cat# [RC210476]) using MegaTran 2.0 (Cat# [TT210002]).