

Product datasheet for TP310476M

TRIT1 (NM_017646) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tRNA isopentenyltransferase 1 (TRIT1), 100 µg

Species: Human

Expression Host: HEK293T

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

MASVAAARAVPVGSLRGLQRTLPLVWILGATGTGKSTLALQLGQRLGGEIVSADSMQVYEGLDIITNKV
SAQEQRICRHHMISFVDPLVTNYTVDFRNRATALIEDIFARDKIPIWGGTNYIESLLWKVLVNTKPQ
EMGTEKVIDRKVELEKEDGLVLHKRLSQVDPMAAKLHPHDKRKVARSLQVFEETGISHSEFLHRQHTEE
GGGPLGGPLKFSNPCILWLHADQAVLDERLDKRVDDMLAAGLLEELRDFHRRYNQKNVSENSQDYQHGF
QSIGFKEFHEYLITEGKCTLETSNQLLKKGIEALKQVTKRYARKQNRWVKNRFLSRPGPIVPPVYGLEVS
DVSKWEESVLEPALEIVQSFQGHKPTATPIKMPYNEAENKRSYHLCDLDCDRIIIGDREWAHHIKSKSHL
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

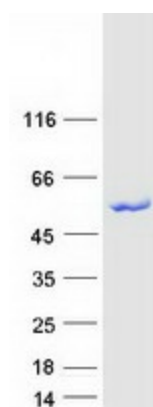
RefSeq ORF: 1401

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]).