

Product datasheet for PH310476

TRIT1 (NM_017646) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TRIT1 MS Standard C13 and N15-labeled recombinant protein (NP_060116)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210476
Predicted MW:	52.7 kDa
Protein Sequence:	>RC210476 protein sequence Red=Cloning site Green=Tags(s)

MASVAAARAVPVGSLRGLQRTLPLVVILGATGTGKSTLALQLGQRLGGEIVSADSMQVYEGLDIITNKV
SAQEQRICRHHMISFVDPVLTNYTVVDFRNRATALIEDIFARDKIPVVGGTNYIESLLWKVLVNTKPQ
EMGTEKVIDRKVELEKEDGLVHLKRLSQVPEMAAKLHPHDKRKVARSLQVFEETGISHSEFLHRQHTTE
GGGPLGGPLKFSNPCILWLHADQAVLDERLDRKRVDDMLAAGLLEELRDFHRRYQKNVSENSQDYQHGF
QSIGFKEFHEYLITEGKCTLETSNQLLKKGIEALKQVTKRYARKQNRWVKNRFLSRPGPIVPPVYGLEVS
DVSKWEESVLEPALEIVQSFIQGHKPTATPIKMPYNEAENKRSYHLCDLCDRIIIGDREWAHHIKSKSHL
NQLKKRRRLDSDAVNTIESQSVSPDHNKEPKEKSGPGQNDQELKCSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060116</u>
RefSeq Size:	2146
RefSeq ORF:	1401
Synonyms:	COXPD35; GRO1; hGRO1; IPPT; IPT; IPTase; MOD5



[View online »](#)

Locus ID: 54802

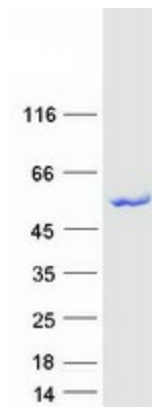
UniProt ID: [Q9H3H1](#), [Q3T7C7](#), [Q53F11](#)

Cytogenetics: 1p34.2

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]).