

Product datasheet for TP319032

TRMT1 (TRMU) (NM_018006) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase (TRMU), nuclear gene encoding mitochondrial protein, transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219032 representing NM_018006 Red=Cloning site Green=Tags(s)

MQALRHWCALSGGVDSAVAALLRRRGYQVTGVFMKNWDSLDEHGVCTADKDCEDAYRVCQILDIPFHQ
VSYVKEYWNDVFSDFLNEYEKGRTPNPDIVCNKHIKFCFFHYAVDNLGADAIATGHYARTSLEDEEVFE
QKHVKKPEGLFRNRFVNRNAVKLLQAADSFKDQTFFLSQVSQDALRRTIFPLGGLTKEFVKKIAAENRLH
HVLQKKESMGMCFIGKRNFEHFLQYLQPRPGHFISIEDNKVLGTHKGWFLYTLGQRANIGGLREPWYVW
EKDSVKGDVVFAPRTDHPALYRDLLRTRSRVHWIAEPPAALVRDKMMECHFRFRHQMALVPCVLTLNQDG
TWWVTAVQAVRALATGQFAVFYKGDDECLGSGKILRLGPSAYTLQKGRRAGMATESPSPEDGPGLSPL
L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	47.6 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.

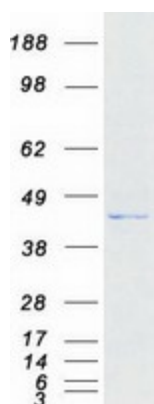


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RefSeq:	NP_060476
Locus ID:	55687
UniProt ID:	O75648
RefSeq Size:	1970
Cytogenetics:	22q13.31
RefSeq ORF:	1263
Synonyms:	LCAL3; MTO2; MTU1; TRMT; TRMT1

Summary: This nuclear gene encodes a mitochondrial tRNA-modifying enzyme. The encoded protein catalyzes the 2-thiolation of uridine on the wobble positions of tRNA(Lys), tRNA(Glu), and tRNA(Gln), resulting in the formation of 5-taurinomethyl-2-thiouridine moieties. Mutations in this gene may cause transient infantile liver failure. Polymorphisms in this gene may also influence the severity of deafness caused by mitochondrial 12S ribosomal RNA mutations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:



Coomassie blue staining of purified TRMU protein (Cat# TP319032). The protein was produced from HEK293T cells transfected with TRMU cDNA clone (Cat# [RC219032]) using MegaTran 2.0 (Cat# [TT210002]).