

Product datasheet for PH319032

TRMT1 (TRMU) (NM_018006) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TRMU MS Standard C13 and N15-labeled recombinant protein (NP_060476)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219032
Predicted MW:	47.6 kDa
Protein Sequence:	>RC219032 representing NM_018006 Red=Cloning site Green=Tags(s)
	<p>MQALRHVVCALSGGVDSAVAALLRRRGYQVTGVFMKNWDSLDEHGVCTADKDCEDAYRVCQILDIPFHQ VSYVKEYWNVFSDFLNEYEKGRTPNPDIVCNKHIKFSCTFFHYAVDNLGADAIATGHYARTSLEDEEVFE QKHVKKPEGLFRNRFVNRNAVKLLQAADSFKDQTFFLSQVSQDALRRTIFPLGGLTKEFVKKIAAENRLH HVLQKKESMGMCFIGKRNFEHLLQYLQPRPGHFISIEDNKVLGTHKGWFLYTLGQRANIGGLREPWYVV EKDSVKGDFVAPRTHPALYRDLLRTRSRVHWIAEPPAALVRDKMMECHFRFRHQMALVPCVLTLNQDG TVWVTAVQAVRALATGQFAVFYKGDDECLGSGKILRLGPSAYTLQKGQRRAGMATESPSDSPEDGGLSPL L</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_060476</u>
RefSeq Size:	1970
RefSeq ORF:	1263
Synonyms:	LCAL3; MTO2; MTU1; TRMT; TRMT1

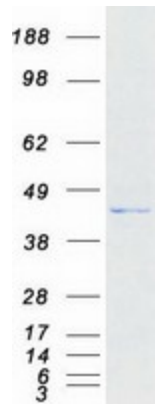


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Locus ID: 55687
UniProt ID: [O75648](#)
Cytogenetics: 22q13.31

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]).