

Product datasheet for PH303043

TRNT1 (NM_016000) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TRNT1 MS Standard C13 and N15-labeled recombinant protein (NP_057084)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203043
Predicted MW:	46.4 kDa
Protein Sequence:	>RC203043 protein sequence Red=Cloning site Green=Tags(s)

MKLSQPEFQSLFTEGLKSLTELKVENHELRIAGGAVRDLNKGVPQDIDFATTATPTQMKEMFQSAGIR
MINNRGEKHGTITARLHEENFEITTLRIDVTTDGRHAEEVFTTDWQKDAERRDLTINSMFLGFDGTLFDY
FNGYEDLNKKNKVRVFGHAKQRIQEDYLRILRYFRFYGRIVDKPGDHPETLEAIAENAKGLAGISGERIW
VELKKILVGNHVNHLIHLIYDLVAPYIGLPANASLEEFDKVSKNVDFGSPKPVTLASLTKVQDDVTKL
DLRLKIAKEEKNLGLFIVKNRDLIKATDSSDPLKPYQDFIIDSREPDATTRVCELLKYQGEHCLKEMQ
QWSIPFPVSGHDIRKVGISSGKEIGALLQQLREQWKKSGYQMEKDELLSYIKK

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_057084</u>
RefSeq Size:	1864
RefSeq ORF:	1215
Synonyms:	CCA1; CCA1, MtCCA, CGI-47; CGI-47; mitochondrial CCA-adding tRNA-nucleotidyltransferase; MtCCA; tRNA nucleotidyl transferase, CCA-adding, 1



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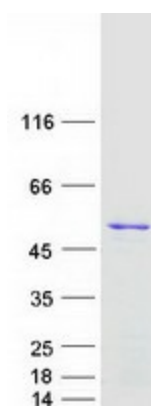
Locus ID: 51095

UniProt ID: [Q96Q11](#)

Cytogenetics: 3p26.2

Summary: The protein encoded by this gene is a CCA-adding enzyme which belongs to the tRNA nucleotidyltransferase/poly(A) polymerase family. This essential enzyme functions by catalyzing the addition of the conserved nucleotide triplet CCA to the 3' terminus of tRNA molecules. Mutations in this gene result in sideroblastic anemia with B-cell immunodeficiency, periodic fevers, and developmental delay. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Product images:



Coomassie blue staining of purified TRNT1 protein (Cat# [TP303043]). The protein was produced from HEK293T cells transfected with TRNT1 cDNA clone (Cat# [RC203043]) using MegaTran 2.0 (Cat# [TT210002]).