

Recombinant Human TRNT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRNT1-2182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TRNT1 MS Standard C13 and N15-labeled recombinant protein (NP_057084) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.4 kDa
AA Sequence	MKLQSPEFQSLFTEGLKSLTELFVKENHELRIAGGAVRDLLNGVKPQDIDFATTATPT QMKEMFQSAGIRMINNRGEKHGTITARLHEENFEITTLRIDVTTDGRHAEVEFTTDW QKDAERRDLTINSMFLGFDGTLFDYFNGYEDLKNKKVRFVGHAKQRIQEDYLRILRY FRFYGRIVDKPGDHDHPETLEAIAENAKGLAGISGERIWVELKKILVGNHVNHLIHLIYD LDVAPYIGLPANASLEEFDKVSKNVDGFSPKPVTLASLKFVQDDVTKLDLRLKIAKE EKNLGLFIVKNRKDLIKATDSSDPLKPYQDFIIDSREPDATTRVCELLKYQGEHCLLKE MQQWSIPFPVSGHDIRKVGISSGKEIGALLQQLREQWKKSGYQMEKDELLSYIKKT

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TRNT1 tRNA nucleotidyl transferase 1 [Homo sapiens (human)]
Official Symbol	TRNT1
Synonyms	TRNT1; tRNA nucleotidyl transferase, CCA-adding, 1; CCA tRNA nucleotidyltransferase 1, mitochondrial; CCA1; CGI 47; MtCCA; mt CCA-adding enzyme; mt tRNA CCA-diphosphorylase; mt tRNA adenylyltransferase; mt tRNA CCA-pyrophosphorylase; tRNA-nucleotidyltransferase 1, mitochondrial; mitochondrial CCA-adding tRNA-nucleotidyltransferase; mitochondrial tRNA nucleotidyl transferase, CCA-adding; CGI-47;
Gene ID	51095
mRNA Refseq	NM_016000
Protein Refseq	NP_057084

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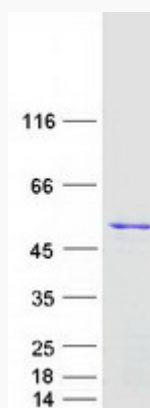
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MIM 612907

UniProt ID Q96Q11

SDS-PAGE



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