

## Product datasheet for **TP303043M**

### TRNT1 (NM\_016000) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human tRNA nucleotidyl transferase, CCA-adding, 1 (TRNT1), transcript variant 1, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203043 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MKLQSPEFQSLFTEGLKSLTELVKENHELRIAGGAVRDLLNGVKPQDIDFATTATPTQMKEMFQSAGIR  
MINNRGEKHGTITARLHEENFEITTLRIDVTTDGRHAEVEFTTDWQKDAERRDLTINSMFLGFDGTLFDY  
FNGYEDLKNKKVRFVGHAKQRIQEDYLRILRYFRFYGRIVDKPGDHPETLEAIAENAKGLAGISGERIW  
VELKKILVGNHVNHLIHLIYDLVDVAPYIGLPANASLEEFDKVSKNVDGFSKPVTLASLFKVDVTKL  
DLRLKIAKEEKNLGLFIVKNRKDLIKATDSSDPLKPYQDFIIDSREPDATTRVCELLKYQGEHLLKEMQ  
QWSIPFPVSGHDIRKVGISSGKEIGALLQQLREQWKKSGYQMEKDELLSYIKKT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 46.8

**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.

**RefSeq:** [NP\\_057084](#)

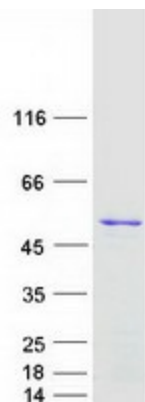


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Locus ID:	51095
UniProt ID:	<a href="#">Q96Q11</a>
RefSeq Size:	1864
Cytogenetics:	3p26.2
RefSeq ORF:	1215
Synonyms:	CCA1; CCA1, MtCCA, CGI-47; CGI-47; mitochondrial CCA-adding tRNA-nucleotidyltransferase; MtCCA; tRNA nucleotidyl transferase, CCA-adding, 1

**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]).