

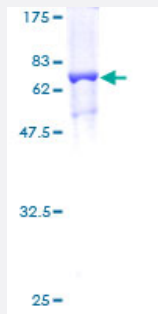
Full-Length

TRNT1 (Human) Recombinant Protein (P01)

Catalog # H00051095-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TRNT1 full-length ORF (AAH12537, 1 a.a. - 405 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKLQSPEFQSLFTEGLKSLTELFVKENHELRIAGGAVRDLLNGVKPQDIDFATTATPTQMKEMFQ
SAGIRMINNRGEKHGTITARLHEENFEITTLRIDVTDDGRHAEVEFTTDWQKDAERRDLTNSMFLGF
DGTLDYFNGYEDLKNKKVRFVGHAKQRIQEDYLRLRYFRFYGRIVDKPGDHPETLEAIAENAKG
LAGISGERMWELKKILVGNHVNHLIHLIDLDVAPYIGLPANASLEEDKVSKNVDGFSPKPVTLA
SLFKVQDDVTKDLRLKIAKEEKNLGLFIVKNRKDLIKATDSSDPLKPYQDFIDSREPDATTRVCEL
LKYQGEHCLLKEMQQWSIPFPVSGHDIRKVGISSGKEIGALLQQLREQWKKSGYQMEKDELLSYI
KKT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.29

Interspecies Antigen Sequence

Mouse (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TRNT1

Entrez GeneID	51095
GeneBank Accession#	BC012537
Protein Accession#	AAH12537
Gene Name	TRNT1
Gene Alias	CCA1, CGI-47, MtCCA
Gene Description	tRNA nucleotidyl transferase, CCA-adding, 1
Gene Ontology	Hyperlink
Gene Summary	The CCA-adding enzyme TRNT1 (EC 2.7.7.25) is an essential enzyme that catalyzes the addition of the CCA terminus to the 3-prime end of tRNA precursors. This reaction is a fundamental prerequisite for mature tRNAs to become aminoacylated and to participate in protein biosynthesis (Lizano et al., 2007 [PubMed 17204286]).[supplied by OMIM]
Other Designations	mitochondrial CCA-adding tRNA-nucleotidyltransferase