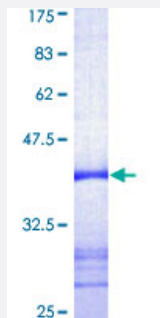


DNTT (Human) Recombinant Protein (Q01)

Catalog # H00001791-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human DNTT partial ORF (AAH12920, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDPPRASHLSPRKKRPRQTGALMASSPQDIKFQDLVVFILEKKMGTTTTRAFMLMELARRKGFRVE NELSDSVTHIVAENNSGSDVLEWLQAQKVQVSSQPELLDVSWLIEC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Interspecies Antigen Sequence	Mouse (81); Rat (83)
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 — DNTT

Entrez GeneID [1791](#)

GeneBank Accession# [BC012920](#)

Protein Accession# [AAH12920](#)

Gene Name DNTT

Gene Alias TDT

Gene Description deoxynucleotidyltransferase, terminal

Omim ID [187410](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq]

Other Designations DNA nucleotidyltransferase|OTTHUMP00000020171|nucleosidetriphosphate:DNA deoxynucleotidyltransferase|terminal addition enzyme|terminal deoxynucleotidyltransferase|terminal deoxyribonucleotidyltransferase|terminal transferase

Pathway

- [Hematopoietic cell lineage](#)

- [Non-homologous end-joining](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)