

Recombinant Human DNTT Protein, GST-tagged

Cat. No. DNTT-2797H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNTT partial ORF (AAH12920, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	37.51 kDa
AA Sequence	MDPPRASHLSPRKKRPRQTGALMASSPQDIKFQDLVVFIEKKMGTTTTRAFMLMELARRKGFRVENELSDSVTHIVAENNSGSDVLEWLQAQKVQVSSQPELLDVSWLIEC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

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

GENE INFORMATION

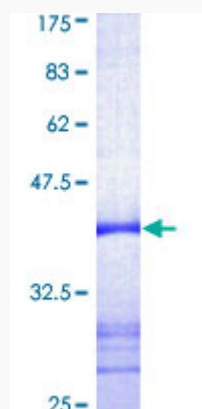
Gene Name	DNTT deoxynucleotidyltransferase, terminal [Homo sapiens]
Official Symbol	DNTT
Synonyms	DNTT; deoxynucleotidyltransferase, terminal; DNA nucleotidylexotransferase; TDT; Terminal deoxynucleotidyltransferase; terminal transferase; terminal addition enzyme; terminal deoxynucleotidyltransferase; terminal deoxyribonucleotidyltransferase; nucleosidetriphosphate:DNA deoxynucleotidylexotransferase;
Gene ID	1791
mRNA Refseq	NM_001017520
Protein Refseq	NP_001017520
MIM	187410
UniProt ID	P04053

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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