

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for TP761324

TdT (DNTT) (NM_001017520) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human deoxynucleotidyltransferase, terminal (DNTT), transcript variant 2, full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length DNTT
Tag:	N-GST and C-His
Predicted MW:	84.2 kDa
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, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
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:	<u>NP 001017520</u>
Locus ID:	1791
UniProt ID:	<u>P04053</u>
RefSeq Size:	2068
Cytogenetics:	10q24.1
RefSeq ORF:	1527
Synonyms:	TDT



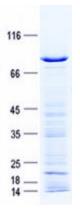
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

GRIGENE TdT (DNTT) (NM_001017520) Human Recombinant Protein – TP761324

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, Jul 2008]

Protein Pathways: Hematopoietic cell lineage, Non-homologous end-joining

Product images:



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US