

Recombinant Human DNTT 293 Cell Lysate

Cat. No. DNTT-6850HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for deoxynucleotidyltransferase, terminal (DNTT), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
Chromosome Location	10q23-q24
Pathway	Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Non-homologous end-joining, organism-specific biosystem; Non-homologous end-joining, conserved biosystem; Validated targets of C-MYC transcriptional repression, organism-specific biosystem;

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Function

DNA binding; DNA nucleotidyltransferase activity; DNA-directed DNA polymerase activity; metal ion binding; transferase activity;

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