

Recombinant Human DNTT 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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 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

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transcriptional repression, organism-specific biosystem;

Function

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

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