

Recombinant Cattle DNTT Protein, His-tagged

Cat. No. DNTT-1361C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle DNTT Protein (Met1-Ala520) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Met1-Ala520
Description	Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 63.4 kDa Accurate Molecular Mass: \
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DNTT DNA nucleotidylexotransferase [Bos taurus (cattle)]
Official Symbol	DNTT
Synonyms	DNTT; DNA nucleotidylexotransferase; DNA nucleotidylexotransferase; TDT; deoxynucleotidyltransferase, terminal; terminal addition enzyme; terminal deoxynucleotidyltransferase; terminal transferase; EC 2.7.7.31
Gene ID	281120
mRNA Refseq	NM_177495
Protein Refseq	NP_803461
UniProt ID	P06526

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