Recombinant Bovine DNTT/TDT Protein

Catalog Number: PDEB000001

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

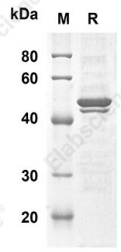
Description

Species	Bovine
Source	E.coli-derived Bos taurus DNTT protein Arg128-Ala509, with an N-terminal His
Calculated MW	41.9 kDa
Observed MW	42 kDa
Accession	P06526
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Concentration	1 mg/mL
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	20 mM Tris, 200 mM NaCl, 2-5 mM DTT, 0.1 mM EDTA, 0.1% Triton, 50% glycerol, pH 7.4.

Data



SDS-PAGE analysis of Bovine DNTT proteins, 2 μg/lane of Recombinant Bovine DNTT proteins was resolved with an SDS-PAGE under reducing conditions, showing bands at 41.9 kDa.

Background

Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator (PubMed:3755527). One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene segments during the maturation of B- and T-cells.

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