Terminal Transferase (TdT)

Summary

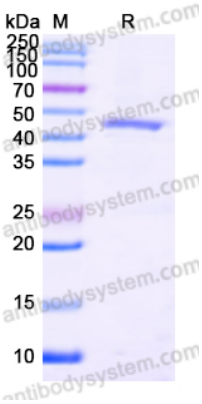
Catalog No.	YBC05501
Alternative Names	DNA nucleotidylexotransferase, 2.7.7.31, Terminal addition enzyme, Terminal deoxynucleotidyltransferase, TDT, Terminal transferase, DNTT, TDT
Form	Liquid
Storage buffer	100mM KAc (pH6.8), 2mM 2-mercaptoethanol, 0.01%Triton X-100 and 50% glycerol.
Concentration	0.9 mg/ml
Purity	>90% as determined by SDS-PAGE.
Applications	Terminal transferase catalyzes the addition of deoxynucleotides to the 3' hydroxyl terminus of DNA molecules.
Endotoxin level	Please contact with the lab for this information.
Protein length	Terminal Transferase (TdT) is expressed in E. coli.
Nature	Recombinant
Predicted molecular weight	45 kDa
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles.Store at 2 to 8 °C for one week .Store at -20 to -80 °C for twelve months from the date of receipt.
Species	Bovine
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

Note For research use only.

Description

Terminal transferase (TdT) is a template independent polymerase that catalyzes the addition of deoxynucleotides to the 3' hydroxyl terminus of DNA molecules. It catalyzes the repeated addition of deoxyribonucleotides to oligodeoxyribonucleotides and 3' -Oh of single - and double-stranded DNA. TdT requires an oligodeoxynucleotide of at least three bases as a primer. The addition of Co2+ in the reacton makes tailing more efficient.

Data Image



SDS-PAGE

SDS PAGE for Recombinant Bovine DNTT/TDT Protein