

## Product datasheet for TP750212

### TDT (Dntt) (NM\_001043228) Mouse Recombinant Protein

#### Product data:

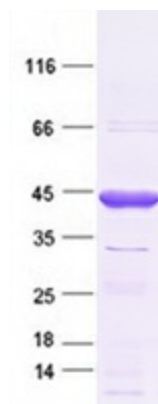
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of DNA nucleotidylexotransferase isoform 2, 131Ser-510Ala(336Asn, 454Ala, 457Asn), with N-terminal His tag, expressed in E.coli, 50ug
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<pre> 1   MHHHHHHSSP SPVPGSQNVP APAVKKISQY ACQRRRTLNN YNQLFTDALD ILAENDELRE 61  NEGSClafMR ASSVLKSLPF PITSMKDTEG IPCLGDKVKS IIEGIIEDGE SSEAKAVLND 121 ERYKSFKLFT SVFGVGLKTA EKWFRMGFRT LSKIQSDKSL RFTQMqKAGF LYYEDLVSCV 181 NRPEAEAVSM LVKEAWTFL PDALVTMTGG FRNGKMTGHD VDfLITSPEA TEDEEQQLLH 241 KVTDFWKQqG LLLYCDILES TFEKFKQPSR KVDALDHFQK CFLILKLDHG RVHSEKSGQq 301 EGKGWKAIRV DLVMCPYDRR AFALLGWTGS AQFNrdLRRY ATHERKMMLD NHALYDRTKR 361 VFLEAESEEE IFAHLGLDYI EPWERNa </pre>
Tag:	N-His
Predicted MW:	44.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 500 mM NaCl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001036693</a>
Locus ID:	21673
UniProt ID:	<a href="#">P09838</a> , <a href="#">Q3UZ80</a>
Cytogenetics:	19 34.32 cM
Synonyms:	Tdt



[View online »](#)

**Summary:**

Isoform TDT-S: Transferase that catalyzes the nontemplated addition of nucleoside triphosphate to coding ends during V(D)J recombination (N addition). Involved in the generation of diversity in the antigen-binding region of immunoglobulin heavy and light chains and T-cell receptors during B- and T-cell development. Does not act on double-stranded DNA with blunt ends. [UniProtKB/Swiss-Prot Function]

**Product images:**

Purified recombinant protein TDT was analyzed by SDS-PAGE gel and Coomassie Blue Staining.