

Product datasheet for **TP727648**

TdT (DNNT) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human DNNT/TdT (N-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Ala509
Tag:	N-6His
Buffer:	Supplied as a 0.2 um filtered solution of 0.1M KH ₂ PO ₄ , 200mM KCl, 1mM β-ME, 50% glycerol, pH7.2.
Note:	Recombinant Human DNA nucleotidylexotransferase is produced by our E.coli expression system and the target gene encoding Met1-Ala509 is expressed with a 6His tag at the N-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	1791
UniProt ID:	P04053
Summary:	Terminal deoxynucleotidyl transferase (TdT) is a highly conserved vertebrate enzyme that possesses the unique ability to catalyze the random addition of deoxynucleoside 5'-triphosphates onto the 3'-hydroxyl group of a single-stranded DNA. It plays an important role in the generation of immunoglobulin and T-cell receptor diversity. 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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