



Recombinant Human DNA nucleotidylexotransferase (DNTT)

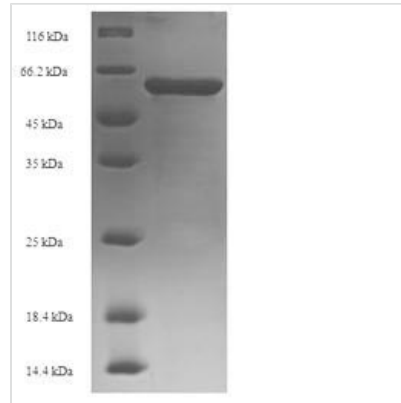
Product Code	CSB-EP007088HU
Relevance	Tplate-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator. One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene segments during the maturation of B- and T-cells.
Abbreviation	Recombinant Human DNTT protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P04053
Alias	Terminal addition enzyme Terminal deoxynucleotidyltransferase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MDPPRASHLSRKKRPRQTGALMASSPQDIKFQDLVVFIEKMKMGTTTTRRAFLM ELARRKGFRVENELSDSVTHIVAENNSGSDVLEWLQAQKVQVSSQPELLDVS WLIECIRAGKPVEMTGKHQLVVRDYSNSTNPGPKTPPIAVQKISQYACQRR TTLNNCNQIFTDAFDILAENCEFRENEDSCVTFMRAASVLKSLPFTIISMKDTEG IPCLGSKVKGIIIEIIEDGESSEVKAVLNDERYQSFKLFTSVFGVGLKTSEKWFR MGFRTLKVRSDKSLKFTRMQKAGFLYEDLVSCVTRAEAEAVSVLVKEAVW AFLPDAFVTMTGGFRRGKKMGHDVDFLITSPGSTEDEEQLLQKVMNLWEKKG LLLYYDLVESTFEKLRRLPSRKVDALDHFQKCFILFKLPRQRVSDQSSWQEGK TWKAIRVDLVLCYERRAFALLGWTGSRQFERDLRRYATHERKMILDNHALYD KTKRIFLKAEEEEIFAHLGLDYIEPWERNA
Research Area	Immunology
Source	E.coli
Target Names	DNTT
Protein Names	Recommended name: DNA nucleotidylexotransferase EC= 2.7.7.31 Alternative name(s): Terminal addition enzyme Terminal deoxynucleotidyltransferase Short name= Terminal transferase
Expression Region	1-509aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 62.5kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.