



Recombinant Mouse DNA nucleotidylexotransferase (Dntt)

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| Product Code | CSB-EP007088MO-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P09838 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MDPLQAVHLG PRKKRPRQLG TPVASTPYDI RFRDLVLFIL EKKMGTTTRA FLMELARRKG FRVENELSDS VTHIVAENNS GSDVLEWLQL QNIKASSELE LLDISWLI EC MGAGKPVEMM GRHQLVVRN SSPSPVPGSQ NVPAPAVKKI SQYACQRRTT LNNYNQLFTD ALDILAENDE LRENEGSCLA FMRASSVLKS LPFPITSMKD TEGIPCLGDK VKSIIIEGII E DGESSEAKAV LNDERYKSFK LFTSVFGVGL KTAEKWFRMG FRTL SKIQSD KSLRFTQM QK AGFLYYEDLV SCVNRPEAEA VSMLVKEAVV TFLPDALVTM TGGFRRGKMT GHDVDFLITS PEATEDEEQQ LLHKVTDFWK QQGLLLYCDI LESTFEKFKQ PSRKVDALDH FQKCFILKL DHGRVHSEKS GQQEGKGWKA IRVDLVMCPY DRRAFALLGW TGSRQFERDL RRYATHERKM MLDNHALYDR TKGKTVTISP LDGKVS KLQK ALRVFLEAES EEEIF AHLGL DYIEPW ERNA |
| 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= TDT Short name= Terminal transferase |
| Expression Region | 1-530 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full length protein |
| Target Details | This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. |
| 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.