Recombinant Mouse DNA nucleotidylexotransferase (Dntt)

Product Code	CSB-EP007088MO
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 EKKMGTTRRA FLMELARRKG FRVENELSDS VTHIVAENNS GSDVLEWLQL QNIKASSELE LLDISWLIEC MGAGKPVEMM GRHQLVVNRN SSPSPVPGSQ NVPAPAVKKI SQYACQRRTT LNNYNQLFTD ALDILAENDE LRENEGSCLA FMRASSVLKS LPFPITSMKD TEGIPCLGDK VKSIIEGIIE DGESSEAKAV LNDERYKSFK LFTSVFGVGL KTAEKWFRMG FRTLSKIQSD KSLRFTQMQK AGFLYYEDLV SCVNRPEAEA VSMLVKEAVV TFLPDALVTM TGGFRRGKMT GHDVDFLITS PEATEDEEQQ LLHKVTDFWK QQGLLLYCDI LESTFEKFKQ PSRKVDALDH FQKCFLILKL DHGRVHSEKS GQQEGKGWKA IRVDLVMCPY DRRAFALLGW TGSRQFERDL RRYATHERKM MLDNHALYDR TKGKTVTISP LDGKVSKLQK ALRVFLEAES EEEIFAHLGL DYIEPWERNA
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.