

Recombinant Human DNA nucleotidylexotransferase(DNTT)

Catalog No: #AP70241

Package Size: #AP70241-1 20ug #AP70241-2 100ug #AP70241-3 1mg

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Description

Product Name	Recombinant Human DNA nucleotidylexotransferase(DNTT)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-509aaSequence Info:Full Length
Other Names	Terminal addition enzymeTerminal deoxynucleotidyltransferase
Accession No.	P04053
Calculated MW	62.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MDPPRASHLSPRKKRPRQTGALMASSPQDIKFQDLVVFIEKKMGTTTTRRAFLMELARRKGFRVENELSDSVTHIVAENNSGSDVLEWLQAQKVQVSSQPELLDVSWLIECIRAGKPVEMTGKHQLVVRDYSdstnpgppktppiAVQKISQYACQRRRTLNNCNQIFTDAFDILAENCEFRENEscvtfmraasvlkslpftiismkdtegiPCLGSKVKGIIIEIIEGESSEVKAVLNDERYQSFKLFTSVFVGVLKtSEKwFRMGFRTLskvrsdkslkfTRMQKAGFLYYEDLVscvtraeaeavsvlvkeavwaflpDAFVTMTGGFRRGKKMGHDVDfLITSPGSTEDEEQLLQKVMNLWEKKGLLLYYDLVESTFEKLRlPSRKVDALDHFQKCFLIFKLPRQRVDSdQSSWQEGKtWKAIRVDLVlCPYERRAFALLGWTGSRQFERDLRRYATHERKMILDnHALYDKTKRIFLKAEEEEIFaHLGLDYIEPWERN
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Direct binding of TReP-132 with TdT results in reduction of TdT activity.Fujisaki S., Sato A., Toyomoto T., Hayano T., Sugai M., Kubota T., Koiwai O.Genes Cells 11:47-57(2006)Research Topic:Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.