Datasheet for ABIN7544205

TdT Protein (AA 1-509) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	TdT (DNTT)
Protein Characteristics:	AA 1-509
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TdT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DNTT Protein expressed in mammalian cells.
Sequence:	MDPPRASHLS PRKKRPRQTG ALMASSPQDI KFQDLVVFIL EKKMGTTRRA FLMELARRKG FRVENELSDS VTHIVAENNS GSDVLEWLQA QKVQVSSQPE LLDVSWLIEC IRAGKPVEMT GKHQLVVRRD YSDSTNPGPP KTPPIAVQKI SQYACQRRTT LNNCNQIFTD AFDILAENCE FRENEDSCVT FMRAASVLKS LPFTIISMKD TEGIPCLGSK VKGIIEEIIE DGESSEVKAV LNDERYQSFK LFTSVFGVGL KTSEKWFRMG FRTLSKVRSD KSLKFTRMQK AGFLYYEDLV SCVTRAEAEA VSVLVKEAVW AFLPDAFVTM TGGFRRGKKM GHDVDFLITS PGSTEDEEQL LQKVMNLWEK KGLLLYYDLV ESTFEKLRLP SRKVDALDHF QKCFLIFKLP RQRVDSDQSS WQEGKTWKAI RVDLVLCPYE RRAFALLGWT GSRQFERDLR RYATHERKMI LDNHALYDKT KRIFLKAESE EEIFAHLGLD YIEPWERNA **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

	isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TdT (DNTT)
Alternative Name:	DNTT (DNTT Products)
Background:	DNA nucleotidylexotransferase (EC 2.7.7.31) (Terminal addition enzyme) (Terminal deoxynucleotidyltransferase) (Terminal transferase),FUNCTION: Template-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. {ECO:0000250|UniProtKB:P09838}.
Molecular Weight:	58.5 kDa
UniProt:	P04053
Pathways:	DNA Damage Repair

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months