

DNTTIP1, 1-329aa, Human, His tag, E.coli

Cat.NO.: TP01912

3th Edition

Synonyms:Deoxynucleotidyltransferase terminal-interacting protein 1, C20orf167, dJ447F3.4, Tdif1

Description:DNTTIP1 binds DNA and enhances the activity of terminal deoxynucleotidyltransferase (TDT, or DNTT; MIM 187410), a DNA polymerase that catalyzes the polymerization of DNA in the absence of a DNA template. Recombinant human DNTTIP1 fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.

Molecular Weight:39 kDa (352aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMGATGDAEQPRGPGAERGGLLELGDAGAAGQLVLTNPWNIMIKHRQVQR
RGRRSQMTTSFTDPAISMDLLRAVLQPSINEEIQT VFNKYMKFFQKAALNVRDENVGEEVDAEQLIQEACRSCLEQA
KLLFSDGEKVIPRLTHELPGIKRGRQAEEECAHRGSPLPKKRKGRPPGHILSSDRAAAGMVWPKKSCEPIRREGPK
WDPARLNESTTFVLGSRANKALGMGGTRGRIYIKHPLFKYAADPQDKHWLAEQHHMRATGGKMAYLLIEEDIRDL
AASDDYRGCLDLKLEELKSFVLP SWMVEKMRKYMETLRTENEHRAVEAPPQT

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.