

Recombinant human DNTTIP1 protein

Catalog Number: ATGP2338

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-329aa

UniProt No.

Q9H147

NCBI Accession No.

NP_443183

Alternative Names

Deoxynucleotidyltransferase terminal-interacting protein 1, C20orf167, dj447F3.4, Tdif1

PRODUCT SPECIFICATION

Molecular Weight

39 kDa (352aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMGATGDA EQPRGPSGAE RGGLELG DAG AAGQLVLTNP WNIMIKHRQV

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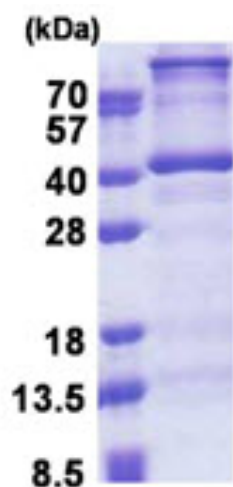
QRRGRRSQMT TSFTDPAISM DLLRAVLQPS INEEIQTVPN KYMKFFQKAA LNVRDNLVGEV VDAEQLIQEA CRSCLEQAKL
LFSDGKLVIP RLTHELPGIK RGRQAEEECA HRGSPLPKR KGRPPGHILS SDRAAAGMVW KPKSCEPIRR EGPKWDPARL
NESTTFVLGS RANKALGMGG TRGRIYKHP HLFKYAADPQ DKHWLAEQHH MRATGGKMAY LLIEEDIRDL AASDDYRGCL
DLKLEELKSF VLPSWMVEKM RKYMETLRTE NEHRAVEAPP QT

General References

Yamashita N, Shimazaki N, et al. (2001). *Genes Cells*. 6(7):641-52.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)