

Recombinant human TDP2 protein

Catalog Number: ATGP2024

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-362aa

UniProt No.

O95551

NCBI Accession No.

NP_057698

Alternative Names

Tyrosyl-DNA phosphodiesterase 2, AD022, dj30M3.3, EAP2, EAPII, RP1-30M3.3, TTRAP

PRODUCT SPECIFICATION

Molecular Weight

43.3 kDa (385aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% 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

TDP2 is a member of a superfamily of divalent cation-dependent phosphodiesterases. The protein associates with CD40, tumor necrosis factor (TNF) receptor-75 and TNF receptor associated factors (TRAFs), and inhibits nuclear factor-kappa-B activation. This protein has sequence and structural similarities with APE1 endonuclease, which is involved in both DNA repair and the activation of transcription factors. Recombinant human TDP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MELGSCL EGGREAAEEE GEPEVKKRRL LCVEFASVAS CDAAVAQCFL
AENDWEMERA LNSYFEPPEV ESALERRPET ISEPPTYVDL TNEETDSTT SKISPSEDQ QENGSMFSLI TWNIDGLDLN
NLSEARARGVC SYLALYSPDV IFLQEVIPPY YSYLKKRSSN YEIITGHEEG YFTAIMLKKS RVKLLKSQEI PFPSTKMMRN
LLCVHVNVSQ NELCLMTSHL ESTRGHAAER MNQLKMLVKK MQEAPESATV IFAGDTNLRD REVTRCGGLP NNIVDVWEFL
GKPKHCQYTW DTQMNSNLGI TAACKLRFDR IFFRAAAEEG HIIPRSLDLL GLEKLDCGRF PSDHWGLLCN LDIIIL

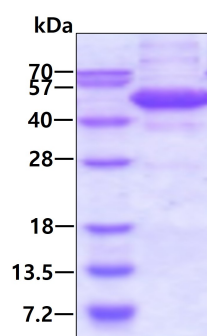
General References

Vilotti, S., et al. (2012) Cell Death Differ. 19 (3), 488-500

Pinel, P., et al. (2012) J. Neurosci. 32 (3), 817-825

DATA

SDS-PAGE



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