

TDP2, 1-362aa, Human, His tag, E.coli

Cat.NO.: TP04178

3th Edition

Synonyms: Tyrosyl-DNA phosphodiesterase 2, AD022, dJ30M3.3, EAP2, EAPII, RP1-30M3.3, TTRAP

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.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 43.3 kDa (385aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMELGSCLEGGREAAEEEGEPEVKKRRLLCVEFASVASCDAAVAQCFLAEN
DWEMERALNSYFEPPEESALERRPETISEPKTYVDLTNEETDSTTSKISPSED TQQENGSMFSLITWNIDGLDLN
NLSERARGVCSYLALYSPDVIFLQEVIPPYYSYLKKRSSNYEITGHEEGYFTAIMLKKSRVKKLSQEII PFPSTKMMR
NLLCVHVNVS GNELCLMTSHLESTRGHAAERMNQLKMVLKMQEAPESATVIFAGDTNLRDREVTRCGGLPNNIV
DVWEFLGKPKHCQYTWDTQMNSNLGITAACKLRFDRIFFRAAAEEGHII PRSLDLLGLEKLD CGRFPSDHWGLLCN
LDIIL

Purity: > 95% by HPLC

Concentration: 0.5 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.