

Recombinant Human TDP2, His-tagged

Cat. No. TDP2-7580H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TDP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-362aa
Antigen 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	43.3 kDa (385aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMELG SCL EGGREAAEEE GEPEVKKRRL LCVEFASVAS CDAAVAQCFL AENDWEMERA LNSYFEPPEV ESALERRPET ISEPKTYVDL TNEETDSTT SKISPSED TQ QENGS MFSLI TWNIDGLDLN NL SERARGVC SYLALYSPDV IFLQEVIPPY YSYLKKRSSN YEIITGHEEG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YFTAIMLKKS RVKLKSQEII PFPSTKMMRN LLCVHVNVS G NELCLMTSHL
 ESTRGHAER MNQLKMLKK MQEAPESATV IFAGDTNLRD REVTRCGGLP
 NNIVDVWEFL GKPKHCQYTW DTQMNSNLGI TAACKLRFDR IFFRAAAEEG
 HIIPRSLDLL GLEKLDCGRF PSDHWGLLCN LDIIIL

Purity >85% as determined by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [TDP2 tyrosyl-DNA phosphodiesterase 2 \[Homo sapiens \]](#)

Official Symbol TDP2

Synonyms TDP2; tyrosyl-DNA phosphodiesterase 2; TRAF and TNF receptor associated protein , TTRAP; ETS1-associated protein 2; ETS1-associated protein II; tyr-DNA phosphodiesterase 2; 5-Tyr-DNA phosphodiesterase; 5-tyrosyl-DNA phosphodiesterase; TRAF and TNF receptor associated protein; TRAF and TNF receptor-associated protein; EAP2; AD022; EAPII; TTRAP; dJ30M3.3; RP1-30M3.3; MGC9099; MGC111021;

Gene ID [51567](#)

mRNA Refseq [NM_016614](#)

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Protein Refseq	NP_057698
MIM	605764
UniProt ID	O95551
Chromosome Location	6p22.3-p22.1
Pathway	CD40/CD40L signaling, organism-specific biosystem;
Function	5-tyrosyl-DNA phosphodiesterase activity; hydrolase activity; magnesium ion binding; nuclease activity; protein binding; transcription corepressor activity;

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