

## 32-2844: TDP2 Recombinant Protein

**Alternative Name :** AD022,dj30M3.3,EAP2,EAPII,RP1-30M3.3,TTRAP,5'-tyrosyl-DNA phosphodiesterase,hTDP2,ETS1-associated protein 2,ETS1-associated protein II.

### Description

Source : Escherichia Coli. TDP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 385 amino acids (1-362) and having a molecular mass of 43.3kDa. TDP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Tyrosyl-DNA Phosphodiesterase 2 (TDP2), belongs to the CCR4/nocturin family of divalent cation-dependent phosphodiesterases. TDP2 associates with CD40, tumor necrosis factor (TNF) receptor-75 and TNF receptor associated factors (TRAFs), and inhibits nuclear factor-kappa-B activation. TDP2 is characterized by similar sequence and structure as APE1 endonuclease, which participates in DNA repair and the activation of transcription factors.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** The TDP2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMELGSL EGGREAAEEE GEPEVKKRRL LCVEFASVAS  
CDAAVAQCFL AENDWEMERA LNSYFEPPEV ESALERRPET ISEPKTYVDL TNEETTDSTT SKISPSEDQ  
QENGSMFSLI TWNIDGLDLN NLSERARGVC SYLALYSPDV IFLQEVIPPY YSYLKKRSSN YEITGHEEG  
YFTAIMLKKS RVKLKSQEI PFPSTKMMRN LLCVHVNVS G NELCLMTSHL ESTRGHAAER MNQLKMLK  
MQEAPESATV IFAGDTNLRD REVTRCGGLP NNIVDVWEFL GKPKHCQYTW DTQMNSNLGI  
TAACKLRFDR IFFRAAAEEG HIIPRSLDLL GLEKLDCGRF PSDHWGLLCN LDIIIL.

