

## 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 YEIITGHEEG  
YFTAIMLKKS RVKLKSQEI PFPSTKMMRN LLCVHVNVSG NELCLMTSHL ESTRGHAAER MNQLKMLK  
MQEAPESATV IFAGDTNLRD REVTRCGGLP NNIVDVWEFL GKPKHCQYTW DTQMNSNLGI  
TAACKLRFDR IFFRAAAEEG HIIPRSLDLL GLEKLDCGRF PSDHWGLLCN LDIIIL.