
Product Data Sheet

Product Name: TDP2 Human
 Cat. No.: GP22289
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AD022; dj30M3.3; EAP2; EAPII; RP1-30M3.3; TTRAP; 5'-tyrosyl-DNA phosphodiesterase;hTDP2; ETS1-associated protein 2; ETS1-associated protein II.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMELG SCL EGGREAAEEE GEPEVKKRRL LCVEFASVAS CDAAVAQCFL AENDWEMERA LNSYFEPPEV ESALERRPET ISEPKTYVDL TNEETTDSTT SKISPS EDTQ QENGSMFSLI TWNIDGLDLN NLSERARGVC SYLALYSPDV IFLQEVIPPY YSYLKKRSSN YEITGHEEG YFTAIMLKKS RVKLKSQEII PFPSTKMMRN LLCVHVNVS G NELCLMTSHL ESTRGHAAER MNQLKMVLKK MQEAPESATV IFAGDTNLRD REVTRCGGLP NNIVDVWEFL GKPKHCQYTW DTQMNSNLGI TAACKLRFDR IFFRAAAEEG HIIPRSLDLL GLEKLD CGRF PSDHWGLLCN LDIIIL.		
Formulation	The TDP2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

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.

Stability

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

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