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Product datasheet for AR50774PU-S

TDP1 (1-298, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	TDP1 (1-298, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSQEGDYGRW TISSSDESEE EKPKPDKPST SSLLCARQGA ANEPRYTCSE AQKAAHKRKI SPVKFSNTDS VLPPKRQKSG SQEDLGWCLS SSDDELQPEM PQKQAEKVVI KKEKDISAPN DGTAQRTENH GAPACHRLKE EEDEYETSGE GQDIWDMLDK GNPFQFYLTR VSGVKPKYNS GALHIKDILS PLFGTLVSSA QFNYCFDVDW LVKQYPPEFR KKPILLVHGD KREAKAHLHA QAKPYENISL CQAKLDIAFG THHTKMMLLL YEEGLRVVIH TSNLIHADWH QKTQGTHL
Tag:	His-tag
Predicted MW:	35.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TDP1, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001008744
Locus ID:	55775
UniProt ID:	Q9NUW8, A0A024R6L5, B3KN41
Cytogenetics:	14q32.11

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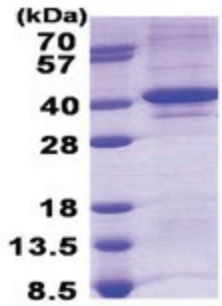
Summary: The protein encoded by this gene is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. This gene is a member of the phospholipase D family and contains two PLD phosphodiesterase domains. Mutations in this gene are associated with the disease spinocerebellar ataxia with axonal neuropathy (SCAN1). [provided by RefSeq, Aug 2016]

Protein Families: Druggable Genome

Product images:



15% SDS-PAGE (3ug)