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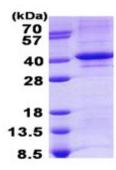
AR50774PU-N Human TDP1 (1-298, His-tag) - Purified

Alternate names:	FLJ11090, SCAN1, TDP-1, Tyr-DNA phosphodiesterase 1, Tyrosyl DNA phosphodiesterase 1, Tyrosyl-DNA phosphodiesterase 1
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	Tyrosyl-DNA phosphodiesterase 1, also known as TDP1, 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.
Uniprot ID:	Q9BRS7
NCBI:	<u>AAH06083</u>
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Description:	Recombinant human TDP1, fused to His-tag at N-terminus, was expressed in E.coli. 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 Molecular weight: 35.8 kDa (318aa)
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. Shelf life: one year from despatch.
General Readings:	Heilig R., et al. (2003) Nature. 421:601-607The MGC Project Team. (2004) Genome Res. 14:2121-2127

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MP/20130116

Pictures:



15% SDS-PAGE (3ug)

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