

## Tyrosyl-DNA Phosphodiesterase 1 Human Recombinant

<b>Item Number</b>	rAP-1093
<b>Synonyms</b>	Tyrosyl-DNA phosphodiesterase 1, TDP1 protein, TDP1.
<b>Description</b>	TDP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 318 amino acids (1-298) and having a molecular mass of 35.8kDa. TDP1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q9NUW8
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MSQEGDYGRW TISSSDESEE EKPKPDKPST SLLCARQGA ANEPRYTCSE AQKAAHKRKI SPVKFSNTDS VLPPKRQKSG SQEDLGWCLS SSDELQPEM PQKQAEKVVI KKEKDISAPN DGTAQRTEH GAPACHRLKE EEDEYETSGE GQDIWMLDK GNPFQFYLTR VSGVKPKYNS GALHIKDILS PLFGTLVSSA QFNFCFDVDW LVKQYPPEFR KKPILLVHGD KREAKHLHA QAKPYENISL CQAKLDIAFG THHTKMMLLL YEEGLRVVIH TSNLIHADWH QKTQGTHL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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.
<b>Formulation and Purity</b>	The TDP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**