

Datasheet for ABIN7281254  
**TDP1 Protein (AA 1-608) (His tag)**



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1 Image

## Overview

Quantity:	100 µg
Target:	TDP1
Protein Characteristics:	AA 1-608
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence: ADPMSQEGDY GRWTISSSDE SEEEKPKPKD PSTSSLLCAR QGAANEPRYT CSEAQKAAHK  
RKISPVKFSN TDSVLPPKRQ KSGSQEDLGW CLSSDDELQ PEMPQKQAEK VVIKKEKDIS  
APNDGTAQRT ENHGAPACHR LKEEEDYEYET SGEGQDIWDM LDKGNPFQFY LTRVSGVKPK  
YNSGALHIKD ILSPLFGTLV SSAQFNFCFD VDWLVKQYPP EFRKKPILLV HGDKREAKAH  
LHAQAKPYEN ISLCQAKLDI AFGTHHTKMM LLLYEEGLRV VIHTSNLIHA DWHQKTQGIW  
LSPLYPRIAD GTHKSGESPT HFKADLISYL MAYNAPSLKE WIDVIHKHDL SETNVYLIGS  
TPGRFQGSQK DNWGHFRLKK LLKDHASSMP NAESWPVVGQ FSSVGS LGAD ESKWLCSEFK  
ESMLTLGKES KTPGKSSVPL YLIYPSVENV RTSLEGYPAG GSLPYSIQTA EKQNWLHSYF  
HKWSAETSGR SNAMPHIKTY MRPSPDFSKI AWFLVTSANL SKAAWGALEK NGTQLMIRSY  
ELGVLFLPSA FGLDSFKVKQ KFFAGSQEPM ATFPVPYDLP PELYGSKDRP WIWNIPYVKA  
PDTHGNMWVP SHHHHHH

Purity: > 90 % by SDS - PAGE

## Product Details

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Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

## Target Details

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Target: TDP1

Alternative Name: TDP1 ([TDP1 Products](#))

Background: TDP1, also known as tyrosyl-DNA phosphodiesterase 1, 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. Recombinant human TDP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 69.5kDa (617aa) 50-70kDa (SDS-PAGE under reducing conditions.)

NCBI Accession: [NP\\_060789](#)

UniProt: [Q9NUW8](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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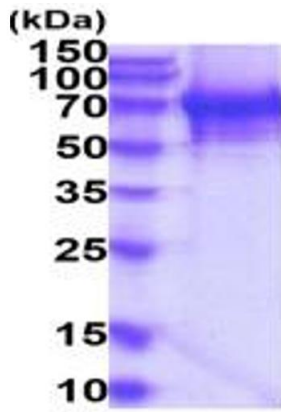
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

**SDS-PAGE**

Image 1.