

## Recombinant Human TDP1 Protein, His-Tagged

Cat. No. TDP1-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TDP1 protein, His-tagged was expressed in Baculovirus
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-608aa
<b>Description</b>	<p>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).</p>
<b>Applications</b>	SDS-PAGE
<b>Endotoxin</b>	< 1 EU per 1ug of protein (determined by LAL method)
<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage Buffer</b>	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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<b>Storage</b>	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
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<b>Concentration</b>	0.25mg/ml (determined by absorbance at 280nm)
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<b>Molecular Mass</b>	69.5 kDa (617aa)
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## GENE INFORMATION

<b>Gene Name</b>	TDP1 tyrosyl-DNA phosphodiesterase 1 [ Homo sapiens (human) ]
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<b>Official Symbol</b>	TDP1
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<b>Synonyms</b>	tyrosyl-DNA phosphodiesterase 1 isoform a, TDP1, Tyrosyl-DNA phosphodiesterase 1, Tyr-DNA phosphodiesterase 1
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<b>Gene ID</b>	55775
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<b>mRNA Refseq</b>	NM_001008744.2
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<b>Protein Refseq</b>	NP_060789.2
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<b>UniProt ID</b>	Q9NUW8
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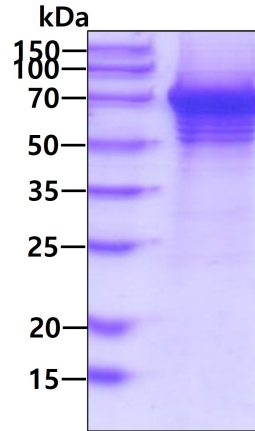
<b>MIM</b>	607198
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**SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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