

Product datasheet for **SC215754**

TDP1 (NM_018319) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TDP1 (NM_018319) Human 3' UTR Clone
Symbol:	TDP1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018319
Insert Size:	1651 bp



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Insert Sequence: >SC215754 3'UTR clone of NM_018319
The sequence shown below is from the reference sequence of NM_018319. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACGCATGGGAACATGTGGGTGCCCTCCAGAATCTTGAGGCACTGTGAAATTTAAGTGAAGACATTG
AGCCACAAACATGGAATCTCTTCTTTGTAAGTGTCCACTTCCTTAAAGTCTTATTTGCACCCTTA
CAAAATCTTTCCAAAGGTCACCTTATGAATGGATGTTGGTTATACTTTAATGGACATTAACATTCTT
AATAAAGTATTAGTTTCTTAATTCACCTTTATATGTTTGGAAAGAAAATTAGTGAACCTCTCTATGTT
AAAAATACGTAAGTCTTGAAGTATCCCTGTCTGAAATGCTTGGGACCAGAAGTGTTCAGCTTTGGAT
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AAAATTCATTTATGTTTCATATACACCTTATATACAATAACCTAAAGGTATTTTATATGATATTTTGA
GTAATTTTATGCATGAACAAAGTTTTGACAGGCTTTTGACCGTGATTTCATCAGATGAGTTCAGGCATG
GAAATTTTCATTTGGAGCATCATGTGCACTCAAAAAGTCTGGATCTTGGAGCAGTTCAGATTTTCA
GATTAGGGATGCTCAAATCTATATAGATATAAAATTATCCTCACAGTAACATAGAATCTCTTGGTGTG
TCAGCTGTTGGGAATTGAAGATTGACTTTGTGCTTCCACCCTCCATCCAGAAAGGCACCTTCATTCCA
CCAGAACCTTACCAGGAAGAACACGATCATTTCTTTTCCAGGATGCCCTCTCTCAGCTTTCTGAGT
ACGTCTCTTGGGTGCTGGAGGTGATCCTAGGATCTGTCTCTGAGACCAATGTGCTGTTTCAGCCCCC
TGCAGCTAAGAATTGTATTGACTGTCTCACAGCGGCTTTTCATAGCTTTTCAGCTTCAGCTTTACGAGG
CTTCTCTCTCTCCCTGGCACCCTGCTGGCTGCCTCACTGCTTACAGACAGGTCCCACCAAAACCCAAAC
ACCTGCCTAGGGTAAATGGGTCTCTCTTCTATCCCCAGAACTTTCAGAGGAAGCAGCTCATAGAAACA
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TGAGTGTCTTTGTGCTTTGTGTACATTGTGTTCTCCCTAGGGTGTCTTAGACCCTGTTTGTCTTCTCT
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TCTTGAAAGATTTCTAAAGTAGTCTTTCAAAGTCTTCTCAGAGGCTAGGATTTTCCAAAGTACCT
TAGGAACCTTGTAGGCTGCAGTGGGGGTGTGGCGATAGAGCAGGAGGCAGGGAGACAGGGCTGCAGGGC
CTCCACCTTCCAACAGACAGGCTCTGCTGTATCTGTTGTACATACTGGGATTCTGTAAAGGACATTAT
CTGGGGTGTGTATGTATTTTGTGTCTGCTTTTTTAAATAAACTTGAAGGCTACTGAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_018319.4](#)

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]

Locus ID:

55775

MW:

62.5