

Product datasheet for **SC215753**

TDP1 (NM_001008744) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TDP1 (NM_001008744) Human 3' UTR Clone
Symbol:	TDP1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001008744
Insert Size:	1651 bp



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Insert Sequence:	>SC215753 3'UTR clone of NM_001008744 The sequence shown below is from the reference sequence of NM_001008744. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ACGCATGGGAACATGTGGGTGCCCTCCAGAGAATCTTGAGGCACTGTGAAATTTAAGTGAAGACATTG AGCCACAAACATGGAATCTCTTCTTTGTAAGTGTCCACTTCCTTAAAGTCTTATTTGCACCCTTA CAAAATCTTTCCAAAGGTCACCTTATGAATGGATGTTGGTTATACTTTTAAATGGACATTAACATTCTT AATAAAGTATTAGTTTCTTAATTCACCTTTATATGTTTGGAAAGAAAATTAGTGAACCTCTCTATGTT AAAAATACGACTGCTTGAGTATCCCTGTCTGAAATGCTTGGGACCAGAAGTGTTCAGCTTTTGGAT TTTTTTGAATTTTGAATATTTGCATAGCATAATGAGATATCTTGGGAATGGACCCAAATCTAAACAC AAAATTCATTTATGTTTCATATACACCTTATATACAATAACCTAAAGGTATTTTATATGATATTTTGA GTAATTTTATGCATGAACAAAGTTTTGACAGGCTTTTGACCGTGATTTCATCAGATGAGTTCAGGCATG GAAATTTTCATTTGGAGCATCATGTGCACTCAAAAAGTCTGGATCTTGGAGCAGTTCAGATTTTCA GATTAGGGATGCTCAAATCTATATAGATATAAAATTATCCTCACAGTAACATAGAATCTCTTGGTGTG TCAGCTGTTGGGAATTGAAGATTGACTTTGTGCTTCCACCCTCCATCCAGAAAGGCACCTTCATTCCA CCAGAACCTTACCAGGAAGAACACGATCATTTCTTTTCCAGGATGCCCTCTCTCAGCTTTCTGAGT ACGTCTCTTGGGTGCTGGAGGTGATCCTAGGATCTGTCTCTGAGACCAATGTGCTGTTTCAGCCCCC TGCAGCTAAGAATTGATTGACTGTCTCACAGCGGCTTTTCATAGCTTTTTCAGCTTCAGCTTTACGAGG CTTCTCTCTCTCCCTGGCACCCTGCTGGCTGCCTCACTGCTTACAGACAGGTCCCACCAACCCAAAC ACCTGCCCTAGGGTAAATGGGTCTCTCTTCTATCCCCAGAACTTTCAGAGGAAGCAGCTCATAGAAACA TACAAAAGCACACAAGTATTTTGGGAAAAAATCCTAAAAGGTGACTTAATTTGATGCCTTAAATTCACA AGTGAGGAAGCTAAGGCCTAGAAGGTAAAGGATGTCCCCAGGGTCACACAGTGAGCGGGGCTCAGAGCT TGAGTGTCTTTGTGCTTTGTGTACATTGTGTTCTCCCTAGGGTGTCTTAGACCCTGTTTGTCTTCTCT GCATGAGGCTGATTTCCAGTTTGTGATCAACCTCTTATCTTATAATTTAGGATAGAGTTGAACGTTAG TCTTGAAAGATTTCTAAAGTAGTCTTTCAAAGTCTTCTCAGAGGCCTAGGATTTTCCAAAGTACCT TAGGAACCTTGTAGGCTGCAGTGGGGGTGTGGCGATAGAGCAGGAGGCAGGGAGACAGGGCTGCAGGGC CTCCACCTTCCAACAGACAGGCTCTGCTGTATCTGTTGTACATACTGGGATTCTGTAAAGGACATTAT CTGGGGTGTGTATGTATTTTGTGTCTGCTTTTTTAAATAAACTTGAAGGCTACTGAA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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:	<u>NM_001008744.2</u>

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