

Product datasheet for **SC324260**

TDP1 (NM_001008744) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TDP1 (NM_001008744) Human Untagged Clone
Tag:	Tag Free
Symbol:	TDP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001008744.1
 GTTGGTTCTGTGCGCCTCAGAGTTGGAGCACACAGCTGTATTAAGGCAAATCGAAGG
 CCGGGCGCGGTGACTCACGCCTGTCATCCTAGCACTTTGGGAGGCCGAGGCGGCTGAATC
 ACTTGAGGTTAGGAGTTTGGATCAGCCCGGGCAACATGGTGAAACCCCGTCTCTACAAA
 AATAGAAAAATTAGCCGAGCGTGATGGTGGATGCCTGTAATCCTAGCTCCTCGGGAGGCT
 AAGGAGTATAATGTCTCAGGAAGGCGATTATGGGAGGTGGACCATATCTAGTAGTGATGA
 AAGTGAGGAAGAAAAGCCAAAACAGACAAGCCATCTACCTCTTCTCTTCTCTGTGCCAG
 GCAAGGAGCAGCAAATGAGCCCAGGTACACCTGTTCCGAGGCCAGAAAGCTGCACACAA
 GAGGAAAATATCACCTGTGAAATTCAGCAATACAGATTAGTTTTACCTCCAAAAGGCA
 GAAAAGCGGTTCCAGGAGGACCTCGGCTGGTGTCTGTCCAGCAGTGATGATGAGCTGCA
 ACCAGAAATGCCGAGAAGCAGGCTGAGAAAGTGGTGTCAAAAAGGAGAAAGACATCTC
 TGCTCCCAATGACGGCACTGCCAAAGAACTGAAAATCATGGCGCTCCCGCTGCCACAG
 GCTCAAAGAGGAGGAAGACGAGTATGAGACATCAGGGGAGGCCAGGACATTTGGGACAT
 GCTGGATAAAGGGAACCCCTTCCAGTTTTACCTACTAGAGTCTCTGGAGTTAAGCCAAA
 GTATAACTCTGGAGCCCTCCACATCAAGGATATTTATCTCTTTATTTGGGACGCTTGT
 TTCTTCAGCTCAGTTAACTACTGCTTTGACGTGGACTGGCTCGTAAAACAGTATCCACC
 AGAGTTCAGGAAGAAGCCAATCCTGCTTGTGCATGGTGATAAGCGAGAGGCTAAGGCTCA
 CCTCCATGCCAGGCCAAGCCTTACGAGAACATCTCTCTGCCAGGCAAAGTTGGATAT
 TGCGTTTGAACACACCACGAAAATGATGCTGCTGCTCTATGAAGAAGGCCTCCGGGT
 TGTACACACACCTCCAACTCATCCATGCTGACTGGCACCAGAAAACCAAGGAATATG
 GTTGAGCCCTTATACCCACGAATTGCTGATGGAACCCACAAATCTGGAGAGTCGCCAAC
 ACATTTTAAAGCTGATCTCATCAGTTACTTGATGGCTTATAATGCCCTTCTCTCAAGGA
 GTGGATAGATGTCATTCAAGCAGCATCTCTGAAAACAAATGTTTATCTTATTGGTTT
 AACCCGAGCAGCTTCAAGGAAGTCAAAAAGATAATTGGGACATTTTAGACTTAAAGAA
 GCTTCTGAAAGACCATGCCTCATCCATGCCTAACGCAGAGTCTGGCCTGTCGTAGGTCA
 GTTTTCAAGCGTTGGCTCCTTGGGAGCCGATGAATCAAAGTGGTTATGTTCTGAGTTAA
 AGAGAGCATGCTGACACTGGGAAGGAAAGCAAGACTCCAGGAAAAGCTCTGTTCTCT
 TTAAGTATCTATCCTTCTGTGGAAAATGTGGGACCAGTTTGAAGGATATCCTGCTGG
 GGGCTCTTCCCTATAGCATCCAGACAGCTGAAAACAGAAATGGCTGCATTCTATTT
 TCACAAATGGTCAGCTGAGACTTCTGGCCGAGCAATGCCATGCCACATATTAAGACATA
 TATGAGGCCTTCCAGACTTCAGTAAAATTGCTTGGTTCTTGTCAAGCGCAATCT
 GTCCAAGGCTGCCTGGGAGCATTGGAGAAGAATGGCACCCAGCTGATGATCCGCTCCTA
 CGAGCTCGGGTCTTTTCTCCCTTCCAGATTTGGTCTAGACAGTTTCAAAGTGAACA
 GAAGTTCTTCGCTGGCAGCCAGGAGCCAATGGCCACCTTCTGTGCCATATGATTTGCC
 TCCAGAACTGTATGGAAGTAAAGATCGGCCATGGATATGGAACATTCTTATGTCAAAGC
 ACCGGATACGCATGGGAACATGTGGGTGCCCTCCTGAGAACTTTGAGGCACTGTGAAATT
 TAAGTGTAAAGACATTGAGCCACAAACATGGAATCTCTTTTGTACTGGATGTCCACTTC
 CCTTAAAGTCTTATTTGCACCCTTACAAAATCTTCCAAAGGTCACTCTTATGAATGGAT
 GTTGGTTATACTTTTAAATGGACATTAACATTCTAATAAAGTATTAGTTTCTTAAAAAAA
 AA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_001008744

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001008744.1</u> , <u>NP_001008744.1</u>
RefSeq Size:	3540 bp
RefSeq ORF:	1827 bp
Locus ID:	55775
UniProt ID:	<u>Q9NUW8</u>
Cytogenetics:	14q32.11
Protein Families:	Druggable Genome
Gene Summary:	<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). [provided by RefSeq, Aug 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (a).</p>