

Product datasheet for **SC108502**

WDTC1 (NM_015023) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	WDTC1
Synonyms:	ADP; DCAF9
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene ORF within SC108502 sequence for NM_015023 edited (data generated by NextGen Sequencing)

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ATGGCGAAAGTCAACATAACTAGAGACCTCATCCGTAGGCAGATCAAGGAGCGGGTGCC
CTGAGCTTTTGAGCGGCGCTACCATGTCACTGACCCCTTTATCCGGCGGCTGGGCCTGGAA
GCAGAGCTGCAGGGTCACTCAGGATGTGTCAACTGTCTGGAGTGAATGAGAAAGGAGAC
TTGCTGGCCTCTGGTCCGATGACCAGCACACGATTGTGTGGGACCCGCTGCACCACAAG
AAGCTGCTCTCCATGCACACGGGACACACCGCAAATATCTTCTGTCAAGTTCTGCCT
CACGCTGGGGACCGCATCTTGATCACGGGGGACCCGACTCTAAGGTGCATGTGCACGGC
CTGACAGTAAAGGAGACCATCCACATGTTTGGAGACCACAAAACCGGGTGAAGCGCATC
GCCACAGCGCCCATGTGGCCCAACACATTCTGGAGTGTCTGAGGATGGGCTTATCCGC
CAGTATGACCTTCGAGAGAAGCAAACTCGGAGGTGCTGATTGACCTGACAGAGTAC
TGTGGCCAGCTGGTGGAGGCCAAGTGCCTCACTGTCAACCCCAAGGACAACAACCTGCCTG
GCAGTTGGGGCCAGCGGCCCTTCGTGAGGCTCTATGACATCCGCATGATCCATAACCAC
AGAAAGAGCATGAAGCAGAGCCCTTCAGCGGGTGTGCACACCTTCTGTGACCGCAGAAA
CCCCCTCCGGACGGTGCAGCCAGTATTACGTAGCAGGTACNNCCAGTGAAGCTTCCT
GACTACAACAACCGTTTGAGAGTGTGGTTGCCACCTATGTGACCTTCAGCCCCAATGGC
ACAGAGCTACTAGTCAACATGGGGGGGAACAGGTCTATTTGTTTGACTTGACTTACAAG
CAGCGGCCGTACACCTTCTCTTGCCTAGAAAAATGCCACTCCTCGGGGTCCAGAATGGC
AAGATGTCCACCAACGGTGTGTCAACGGTGTGTCATGGCCTGCACCTTCATAGCAAT
GGCTTCCGGCTGCCGAGAGTAGGGGACATGTACGCCCAAGTAGAGCTACCAACCATAC
CTGGAGCGTGTGAACAGNNAGCCAATGAGGCTTTTGCTGCCAGCAGTGGACCAAGCC
ATTCAGCTTTACAGCAAGGCTGTGCAGAGGGCCCTCACAATGCCATGCTTTATGGAAC
CGAGCAGCAGCCTACATGAAGCGCAAGTGGGATGGTGACCACTATGATGCCCTGAGGGAC
TGCCTCAAGGCCATCTCCCTAAACCCATGCCACCTGAAGGCACACTTTCGCTGGCCCGC
TGCTCTTTGAGCTCAAGTATGTGGCTGAAGCCCTGGAGTGCCTGGACGACTTCAAAGGG
AAATTTCCGGAGCAGGCCACAGCAGCGCTTGTGATGCATTGGGCCGCGACATCACAGCT
GCCCTCTTCTCTAAAAATGATGGTGAGGAGAAGAAGGACCTGGTGGCGGCCCCAGTC
CGCTCCGACGACGAGCCGCAAGGACTCCATCTCAGAGGATGAAATGGTGTCTGCGGGAG
CGAAGCTACGACTATCAGTTCCGCTACTGCGGCCACTGCAACACCACCGGATATCAAA
GAGGCCAATTTCTTGGCAGCAACGCTCAGTATATCGTCAGTGGCTCTGACGATGGCTCC
TTCTTCATCTGGGAAAAGGAGACCACCAACCTGGTCCGTGTGCTCAAGGGGATGAGTCC
ATTGTCAACTGCCTGCAGCCACACCCAGCTACTGCTTCTGGCCACCAGTGGCATCGAT
CCTGTTGTGCGGCTCTGGAACCCCGACAGAGAGTGAAGACCTCACAGGCCGAGTCTGTG
GAAGATATGGAGGGTGTTCACAGGCCAACAGCGGCGCATGAATGCAGACCCGTTGGAG
GTGATGCTGCTCAACATGGGCTACCGGATCACGGGCTGAGCAGTGGGGTGCCGGGGCC
TCTGATGATGAGGACAGCTCTGAGGCCAGGTGCAGTGCCGGCCAGCTAG

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Clone variation with respect to NM_015023.3
 359 a=>g;763 c=>n;764 t=>n;765 g=>n;1099 c=>n;1100 a=>n

5' Read Nucleotide
Sequence:

>OriGene 5' read for NM_015023 unedited
 TTAGATTTTGTAAACGACTTCACTATAGGGCGGCCGATTCGGCACGAGGGGTAATTA
 AATGTGTATTTTGTGGACCTGGGCTTGGCTGGAATGCTCAGGGGTCTGAAGATCCTATT
 ATAGCTTCCTTCTGTTGAACCATTAAGAAAAGATGGCGAAAGTCAACATAACTAGAGACC
 TCATCCGTAGGCAGATCAAGGAGCGGGTGCCCTGAGCTTTGAGCGGCGCTACCATGTCA
 CTGACCCCTTTATCCGGCGGCTGGGCTGGAAGCAGAGCTGCAGGGTCACTCAGGATGTG
 TCAACTGTCTGGAGTGAATGAGAAAGGAGACTTGCTGGCCTCTGGTCCGATGACCAGC
 ACACGATTGTGTGGGACCCGCTGCACCACAAGAAGCTGCTCTCCATGCACACGGGACACA
 CCGCAAATATCTTCTCTGTCAAGTTCCTGCCTCACGCTGGGGACCGCATCTTGATCACGG
 GGGCAGCCGACTCTAAGGTGCATGTGCACGGCTGACAGTAAAGGAGACCATCCACATGT
 TTGGAGACCACAAAACCGGTGAAGCGCATCGCCACAGCGCCCATGTGGCCCAACACAT
 TCTGGAGTGTCTGCTGAGGATGGGCTTATCCGCCAGTATGACCTTCGAGAGAACAGCAAAC
 ACTCGGAGGTGCTGATTGACCTGACAGAGTACTGTGGCCAGCTGGTGGAGGCCAAGTGCC
 TCACTGTCAACCCCGAGACAACAACCTGCCTGGCAGTTGGGGCCAGCGGGCCCTTCGTGA
 GGCTCTATGACATCCGCATGATCCATAACCACAGAAAGAGCATGAAGCAGAGCCCTTCAG
 CGGGTGTGCACACCTTCTGTGACCGGCAGAAACCCCTTCCGNACGTGCAGCCAGTATT
 ACGTAGCAGGTACCTGCCAGTGAAGCTTCTGACTCA

3' Read Nucleotide
Sequence:

>OriGene 3' read for NM_015023 unedited
 NNNTTACTCTGGACCGGCGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTT
 TTAGAACAATATGGTTTAAATCAATTGCGTCACCTCACTCTCCTGGGAGCGGAGCAACA
 AAAAGGCTCGGCTCCTGCCCCAGAGGACAGTAAGGCTTATGTGTCTCTCCACACTGCAG
 GGCCAGGCTGGGCAGGCAGGGGTGGGAAGCAGGACAGGGGCAGGGAGGGAGGGTGGG
 AGGCAGGGAGGAAATGGCAGGTGGCTGGAACACAAGAAAGCAAAGGGGACCCAGCTGGTC
 CTTGGGCCCCAGGGCCAGCCCAATACTCCTGCTCTCCCTTCTCCCTGGCTAGAGAAAG
 GTCACGGAGAAGAGACAGGGGAGCAGGTCCCAGCAGCAGGAGAAGCAGCAGCAGCTGTTT
 CCTTCACCAATAAATACTTCAATACCAAGCTAGAAGAGAGGGGTGGGAAGAGGACTG
 GGGTGGGAAGGAAGGGGAGAAAGCTGCCACCTGTGTTGCTGGGATTAAAGCAATGAGATG
 GTGCCAGACCCCCACCACTATCCTCACCTCCACTTGTCTTCTTAAACTGTGAAAAAG
 CTTTTAACATGGCCCTCCTGTCTCCAGGGCTGCTCTGAAGCCTGACTGAGAGGAGGCACC
 TGGCANAACAGGGGCTGAGGGAGGGAGCGAGGGANTGGAGGAGAGGANAAGGGAGGCT
 GCTTTTCCAGGGGCTGCAGCTGGNAGGCTGGACCAANTAAGCACTGAAGGGGAANCANG
 NAGGGANAAGGGGGAAGGGATAAACCAACTACTTGGAGCACCTGGACTAAAAACGGGG
 CAAAGGGAAGAAAGCCTGGGGAATGGGGGNTTAATCCCTCCATCCATGGAACCTT
 GGGGCTCTCGGGAGGGAAAGGGCCAATAAGGAACCTTC

Restriction Sites:

ECoRI-NOT

ACCN:

NM_015023

Insert Size:

3890 bp

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).

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015023.2, NP_055838.2</u>
RefSeq Size:	4305 bp
RefSeq ORF:	2031 bp
Locus ID:	23038
UniProt ID:	<u>Q8N5D0</u>
Cytogenetics:	1p36.11
Domains:	TPR, WD40
Gene Summary:	May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.