

Product datasheet for **SC122873**

WDR79 (WRAP53) (NM_018081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR79 (WRAP53) (NM_018081) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR79
Synonyms:	DKCB3; TCAB1; WDR79
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018081 edited
AAAGAATTGGCGTCCGCTGTTTCGCTCTCCTCCCGGAGTCTTCTCCTACTCCCAGAAGA
GGAGGGAAGCACAGTATGAAGACTTTGGAGACTCAACCGTTAGCTCCGGACTGCTGTCCT
TCAGACCAGGACCCAGCTCCAGCCCATCCTTCTCCCCACGCTTCCCGATGAATAAAAT
GCGGACTCTGAACTGATGCCACCGCTCCGAAAGGGGGGATCCGCCCGGTTGTCCCA
GATCCTGTGGCTGGCTCAGCTGTGTCCAGGAGCTACGGAGGGGAGCCAGTTTCTCTC
TCCACTCCCCTGGAAACAGAGTTTGGTTCCCTAGTGAGTTGAGTCCTCGAATCGAGGAG
CAAGAAGCTTTCTGAAATACAAGCCTTCTGCAGAAGAAGCAAACGGGAGCCTTTCTGAA
GAAGAAGCGAACGGGCCAGAGTTGGGGTCTGAAAAGCCATGGAAGATACCTCTGGGAA
CCCCTGCAGAGGACGAGGGAGACACCGCTTGAACTACAGCTTCTCCAGCTGCCTCGA
TTTCTCAGTGGTTCCTGGTCAGAGTTCAGCACCAACCTGAGAACTTCTTGAAAGGCTGT
AAGTGGGCTCCTGACGGTTCCTGCATCTTGACCAATAGTGCTGATAACATCTTGCAATT
TATAACCTGCCCCAGAGCTGTACCATGAGGGGAGCAGGTGGAATATGCAGAAATGGTC
CCTGTCTTGAATGGTGAAGGTGATACCATCTATGATTACTGCTGGTATTCTCTGATG
TCCTCAGCCAGCCAGACACCTCTACGTGGCCAGCAGCAGCCGGGAGAACCCGATTTCAT
ATCTGGGACGCATTCACTGGAGAGCTCCGGGCTTCCTTTTCGCGCTACAACACCTGGAT
GAGCTGACGGCAGCCATTTCGCTCTGCTTCTCCCGGATGGCTCCAGCTCTTCTGTGGC
TTCAACCGGACTGTGCGTGTTCCTCACGGCCCGCCTGGCCGAGACTGCGAGGTCCGA
GCCACATTTGAAAAAGCAGGGCCAGAGCGGCATCATCTCTGCATAGCCTTCAGCCCA
GCCCAGCCCTCTATGCCTGTGGCTCCTACGGCCGCTCCCTGGGTCTGTATGCCTGGGAT
GATGGCTCCCCTCTCGCTTGTGGGAGGGACCAAGGGGGCATCACCCACCTGCTTT
CATCCCGATGGCAACCGCTTCTTCTCAGGAGCCCGCAAGGATGCTGAGCTCCTGTGCTGG
GATCTCCGGCAGTCTGGTTACCACTGTGTCCCTGGTTCGAGAGGTGACCACCAATCAG
CGCATCTACTTCGATCTGGACCCGACCGGCAGTTCCTAGTGAGTGGCAGCACGAGCGGG
GCTGTCTCTGTGTGGACACGGACGGCCCTGGCAATGATGGGAAGCCGGAGCCCGTGTG
AGTTTTCTGCCCCAGAAGGACTGCACCAATGGCGTGAGCTGCACCCTAGCCTGCCTCTC
CTGGCCACTGCCTCCGGTCAGCGTGTGTTTCTGAGCCACAGAGAGTGGGGACGAAGGA
GAGGAGCTGGGCCTTCCCTTGTCTCCACGCGCCACGTCCACCTGAATGTCGGCTTCAG
CTCTGGTGGTGTGGGGGGGCCAGACTCCAGCATCCCTGATGATCACCAGGGCGAGAAA
GGGCAGGGAGGAACGGAGGGAGGTGTGGTGAGCTGATATAAAAAGGTTTTATGATAAA
AAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_018081 unedited
NCCCGTTTGGGATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGAAAG
AATGGCGTCCGCTGTTTCGCTCTCCTCCCGGAGTCTTCTCCTACTCCAGAAGAGGAGG
GAAGCACAGTATGAAGACTTTGGAGACTCAACCGTTAGCTCCGGACTGCTGTCCTCAGA
CCAGGACCCAGCTCCAGCCCATCCTTCTCCCCACGCTTCCCGATGAATAAAATGCGGA
CTCTGAAGTATGCCACCGCTCCCGAAGGGGGGATCCGCCCGGTTGTCCCAGATCCT
GTGGCTGGCTCAGCTGTGTCCAGGAGCTACGGGAGGGGACCCAGTTTCTCTCCACT
CCCCTGGAACAGAGTTTGGTTCCCTAGTGAGTTGAGTCCTCGAATCGAGGAGCAAGAA
CTTTCTGAAAATACAAGCCTTCTGCAGAAGAAGCAAACGGGAGCCTTTCTGAAGAAGAA
GCGAACGGGCCAGAGTTGGGGTCTGAAAAGCCATGGAAGATACCTCTGGGGAACCCGCT
GCAGAGGACGAGGGAGACACCGCTTGAACTACAGCTTCTCCAGCTGCCTCGATTTCTC
AGTGGTTCCTGGTCAGAGTTCAGCACCAACCTGAGAACTTCTTGAAAGGCTGTAAGTGG
GCTCCTGACGGTTCCTGCATCTTGACCAATAGTGCTGATAACATCTTGCAATTTATAAC
CTGCCCCCAGAGCTGTACCATGAGGGGAGCAGGTGGAATATGCAGAAATGGTCCCTGTC
CTTCGAATGGTGAAGGTGATACCATCTATGATTACTGCTGGTATTCTCTGATGCTCTCA
GCCCAGCCAGACACCTCTACGTGGCCAGCAGCAGCCGGGAGAACCCGATTTCATATCTGG
GACGCATTCAGTGGAGAGCTCCGGGCTT

Restriction Sites: Please inquire
ACCN: NM_018081

Insert Size:	1766 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.
RefSeq:	<u>NM_018081.1, NP_060551.1</u>
RefSeq Size:	1834 bp
RefSeq ORF:	1647 bp
Locus ID:	55135
UniProt ID:	<u>Q9BUR4</u>
Cytogenetics:	17p13.1
Gene Summary:	This gene encodes an essential component of the telomerase holoenzyme complex, a ribonucleoprotein complex required for telomere synthesis. This protein is enriched in Cajal bodies, nuclear sites of RNP processing that are important for telomerase function. It interacts with dyskerin, TERT and TERC, other components of active telomerase, and with small Cajal body RNAs (scaRNAs), which are involved in modifying splicing RNAs. This mRNA also functions as a p53 antisense transcript, that regulates endogenous p53 mRNA levels and further induction of p53 protein by targeting the 5' untranslated region of p53 mRNA. Alternatively spliced transcript variants which differ only in the 5' UTR have been found for this gene. [provided by RefSeq, Mar 2011] Transcript Variant: This variant (1) represents the longest transcript. Variants 1-4 encode the same protein.