

Product datasheet for **SC325186**

WDR79 (WRAP53) (NM_001143990) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR79 (WRAP53) (NM_001143990) 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_001143990 edited
 AAAGAATTGGCGTCCGCTGTTCCGCTCTCCTCCCGGGAGTCTTCTCCTACTCCCAGAAGA
 GGAGGGAAGCACAGTATGAAGACTTTGGAGACTCAACCGTTAGCTCCGGACTGCTGTCCT
 TCAGACCAGGACCCAGCTCCAGCCCATCCTTCTCCCCACGCTTCCCCGATGAATAAAAT
 GCGGACTCTGAACTGATGCCACCGCTCCCGAAAGGGGGGATCCGCCCGGTTGTCCCA
 GATCCTGTGGCTGGCTCAGCTGTGTCCCAGGAGCTACGGGAGGGGACCCAGTTTCTCTC
 TCCACTCCCCTGGAACAGAGTTTGGTTCCCTAGTGAGTTGAGTCTCGAATCGAGGAG
 CAAGAACTTTCTGAAAATACAAGCCTTCCCTGCAGAAGAAGCAAACGGGAGCCTTTCTGAA
 GAAGAAGCGAACGGGCCAGAGTTGGGGTCTGAAAAGCCATGGAAGATACCTCTGGGGAA
 CCCGCTGCAGAGGACGAGGGAGACACCGCTTGGAACTACAGCTTCTCCAGCTGCCTCGA
 TTTCTCAGTGGTTCCTGGTCAGAGTTCAGCACCCAACCTGAGAACTTCTTAAAGGCTGT
 AAGTGGGCTCCTGACGGTTCCTGCATCTTGACCAATAGTGCTGATAACATCTTGCGAATT
 TATAACCTGCCCCAGAGCTGTACCATGAGGGGGAGCAGGTGGAATATGCAGAAATGGTC
 CCTGTCCTTGAATGGTGAAGGTGATACCATCTATGATTACTGCTGGTATTCTCTGATG
 TCCTCAGCCCAGCCAGACACCTCTACGTGGCCAGCAGCAGCCGGGAGAACCCGATTTCAT
 ATCTGGGACGCATTCAGTGGAGAGCTCCGGGCTTCTTTTCGCGCTACAACCACCTGGAT
 GAGCTGACGGCAGCCATTTCGCTCTGCTTCTCCCCGGATGGCTCCAGCTTCTGTGGC
 TTCAACCGGACTGTGCGTGTTTTTTCCACGGCCCGGCCTGGCCGAGACTGCGAGGTCGA
 GCCACATTTGCAAAAAGCAGGGCCAGAGCGGCATCATCTCCTGCATAGCCTTCAGCCCA
 GCCCAGCCCTCTATGCCTGTGGCTCCTACGGCCGCTCCCTGGTCTGTATGCCTGGGAT
 GATGGCTCCCCTCTCGCCTTGTGGGAGGGCACCAAGGGGGCATCACCCACCTCTGCTTT
 CATCCCGATGGCAACCGCTTCTTCTCAGGAGCCCGCAAGGATGCTGAGCTCCTGTGCTGG
 GATCTCCGGCAGTCTGGTTACCCACTGTGGTCCCTGGTTCGAGAGGTGACCACCAATCAG
 CGCATCTACTTCGATCTGGACCCGACCGGGCAGTTCCTAGTGAGTGGCAGCACGAGCGGG
 GCTGTCTCTGTGTGGACACGGACGGCCCTGGCAATGATGGGAAGCCGGAGCCCGTGTG
 AGTTTTCTGCCCCAGAAGGACTGCACCAATGGCGTGAGCCTGCACCCTAGCCTGCCTCTC
 CTGGCCACTGCCTCCGGTCAGCGTGTGTTTCTGAGCCACAGAGAGTGGGGACGAAGGA
 GAGGAGCTGGGCCTTCCCTTGTCTCCACGCGCCACGTCCACCTTGAATGTGGCTTCAG
 CTCTGGTGGTGTGGGGGGCGCCAGACTCCAGCATCCCTGATGATCACCAGGGCGAGAAA
 GGGCAGGGAGGAACGGAGGGAGGTGTGGGTGAGCTGATATAAAAAGTTTTTATGATAAA
 AAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001143990
- Insert Size:** 1800 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001143990.1.
- 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: [NM_001143990.1](#), [NP_001137462.1](#)

RefSeq Size: 1837 bp

RefSeq ORF: 1647 bp

Locus ID: 55135

UniProt ID: [Q9BUR4](#)

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 (2, also known as WRAP53gamma) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.