

Product datasheet for **SC325187**

WDR79 (WRAP53) (NM_001143991) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: WDR79 (WRAP53) (NM_001143991) Human Untagged Clone
Tag: Tag Free
Symbol: WRAP53
Synonyms: DKCB3; TCAB1; WDR79
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001143991, the custom clone sequence may differ by one or more nucleotides

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ATGAAGACTTTGGAGACTCAACCGTTAGCTCCGGACTGCTGTCCTTCAGACCAGGACCCA  
GCTCCAGCCATCCTTCTCCCCACGCTTCCCCGATGAATAAAAATGCGGACTCTGAACTG  
ATGCCACCGCCTCCCGAAAGGGGGATCCGCCCGGTTGTCCCCAGATCTGTGGCTGGC  
TCAGCTGTGTCCCAGGAGCTACGGGAGGGGACCCAGTTTCTCTCCACTCCCCTGAA  
ACAGAGTTTGGTCCCCTAGTGAGTTGAGTCTCGAATCGAGGAGCAAGAACTTTCTGAA  
AATAACAAGCCTTCTGCAGAAGAAGCAAACGGGAGCCTTTCTGAAGAAGAAGCGAACGGG  
CCAGAGTTGGGGTCTGAAAAGCCATGGAAGATACCTCTGGGGAACCCGCTGCAGAGGAC  
GAGGGAGACACCGCTTGGAACTACAGCTTCTCCAGCTGCTCGATTTCTCAGTGGTTCC  
TGTCAGAGTTACGACCCAACCTGAGAACTTCTTGAAGGCTGTAAGTGGGCTCCTGAC  
GGTTCTGCATCTTGACCAATAGTGCTGATAACATCTTGCGAATTTATAACCTGCCCCCA  
GAGCTGTACCATGAGGGGGAGCAGGTGGAATATGCAGAAATGGTCCCTGTCCTTCGAATG  
GTGGAAGGTGATACCATCTATGATTACTGCTGGTATTCTCTGATGTCCTCAGCCCAGCCA  
GACACCTCCTACGTGGCCAGCAGCAGCCGGGAGAACCCGATTCATATCTGGGACGCATTC  
ACTGGAGAGCTCCGGGCTTCTTTTCGCGCTACAACCACCTGGATGAGCTGACGGCAGCC  
CATTTCGCTCTGCTTCTCCCCGGATGGCTCCCAGCTCTTCTGTGGCTTCAACCGGACTGTG  
CGTGTTTTTTCCACGGCCCGCCTGGCCGAGACTGCGAGGTCCGAGCCACATTTGCAAAA  
AAGCAGGGCCAGAGCGGCATCATCTCCTGCATAGCCTTCAGCCCAGCCCAGCCCCCTAT  
GCCTGTGGCTCCTACGGCCGCTCCCTGGGTCTGTATGCCTGGGATGATGGCTCCCCTCTC  
GCCTTGCTGGGAGGGCACCAAGGGGGCATCACCCACCTGCTTTTCATCCCGATGGCAAC  
CGCTTCTTCTCAGGAGCCCGCAAGGATGCTGAGCTCCTGTGCTGGGATCTCCGGCAGTCT  
GGTTACCCACTGTGGTCCCTGGGTGCGAGAGGTGACCACCAATCAGCGCATCTACTCGAT  
CTGGACCCGACCCGGCAGTTCTAGTGAGTGGCAGCACGAGCGGGGCTGTCTCTGTGTGG  
GACACGGACGGGCTGGCAATGATGGGAAGCCGGAGCCCGTGTGAGTTTTCTGCCCCAG  
AAGGACTGCACCAATGGCGTGAGCCTGCACCCTAGCCTGCTCTCTGGCCACTGCTCC  
GGTCAGCGTGTGTTTCTGAGCCACAGAGAGTGGGGACGAAGGAGAGGAGCTGGGCCTT  
CCCTTGCTCTCCACGCGCCACGTCACCTTGAATGTGGCTTCAGCTCTGGTGGTGTGGG  
GGGGCGCCAGACTCCAGCATCCCTGATGATCACCAGGGCGAGAAAGGGCAGGGAGGAACG  
GAGGGAGGTGTGGGTGAGCTGATA
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Restriction Sites:	Please inquire
ACCN:	NM_001143991
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_001143991.1</u> , <u>NP_001137463.1</u>
RefSeq Size:	1847 bp
RefSeq ORF:	1647 bp
Locus ID:	55135
UniProt ID:	<u>Q9BUR4</u>
Cytogenetics:	17p13.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3, also known as WRAP53alpha) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.</p>