

## Product datasheet for **SC325188**

### WDR79 (WRAP53) (NM\_001143992) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** WDR79 (WRAP53) (NM\_001143992) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** WRAP53  
**Synonyms:** DKCB3; TCAB1; WDR79  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001143992, the custom clone sequence may differ by one or more nucleotides

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ATGAAGACTTTGGAGACTCAACCGTTAGCTCCGGACTGCTGTCCTTCAGACCAGGACCCA
GCTCCAGCCATCCTTCTCCCCACGCTTCCCCGATGAATAAAAATGCGGACTCTGAACTG
ATGCCACCGCCTCCCGAAAGGGGGATCCGCCCGGTTGTCCCCAGATCCTGTGGCTGGC
TCAGCTGTGTCCCAGGAGCTACGGGAGGGGACCCAGTTTCTCTCCACTCCCCTGAA
ACAGAGTTTGGTCCCCTAGTGAGTTGAGTCTCGAATCGAGGAGCAAGAACTTTCTGAA
AATACAAGCCTTCTGCAGAAGAAGCAAACGGGAGCCTTTCTGAAGAAGAAGCGAACGGG
CCAGAGTTGGGGTCTGAAAAGCCATGGAAGATACCTCTGGGGAACCCGCTGCAGAGGAC
GAGGGAGACACCGCTTGGAACTACAGCTTCTCCAGCTGCCTCGATTTCTCAGTGGTTCC
TGTCAGAGTTACGACCCAACCTGAGAAGCTTCTTAAAGGCTGTAAGTGGGCTCCTGAC
GGTTCTGCATCTTGACCAATAGTGCTGATAACATCTTGCGAATTTATAACCTGCCCCCA
GAGCTGTACCATGAGGGGGAGCAGGTGGAATATGCAGAAATGGTCCCTGTCCTTCGAATG
GTGGAAGGTGATACCATCTATGATTACTGCTGGTATTCTCTGATGTCCTCAGCCCAGCCA
GACACCTCCTACGTGGCCAGCAGCAGCCGGGAGAACCAGATTATCTGGGACGCATTC
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CGTGTTTTTTCCACGGCCCGCCTGGCCGAGACTGCGAGGTCCGAGCCACATTTGCAAAA
AAGCAGGGCCAGAGCGGCATCATCTCCTGCATAGCCTTACGCCAGCCCAGCCCCTCTAT
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CGCTTCTTCTCAGGAGCCGCAAGGATGCTGAGCTCCTGTGCTGGGATCTCCGGCAGTCT
GGTTACCCACTGTGGTCCCTGGGTGCGAGAGGTGACCACCAATCAGCGCATCTACTCGAT
CTGGACCCGACCCGGCAGTTCTAGTGAGTGGCAGCACGAGCGGGGCTGTCTCTGTGTGG
GACACGGACGGGCTGGCAATGATGGGAAGCCGGAGCCCGTGTGAGTTTTCTGCCCCAG
AAGGACTGCACCAATGGCGTGAGCCTGCACCCTAGCCTGCTCTCTGGCCACTGCTCC
GGTCAGCGTGTGTTTCTGAGCCACAGAGAGTGGGGACGAAGGAGAGGAGCTGGGCCTT
CCCTTGCTCTCCACGCGCCACGTCACCTTGAATGTGGCTTTCAGCTCTGGTGGTGTGG
GGGGCGCCAGACTCCAGCATCCCTGATGATCACCAGGGCGAGAAAGGGCAGGGAGGAACG
GAGGGAGGTGTGGGTGAGCTGATA

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| <b>Restriction Sites:</b>     | Please inquire   |
| <b>ACCN:</b>                  | NM_001143992   |
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>OTI Annotation:</b>        | 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.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <u><a href="#">NM_001143992.1</a></u> , <u><a href="#">NP_001137464.1</a></u>  |
| <b>RefSeq Size:</b>           | 1896 bp  |
| <b>RefSeq ORF:</b>            | 1647 bp  |
| <b>Locus ID:</b>              | 55135  |
| <b>UniProt ID:</b>            | <u><a href="#">Q9BUR4</a></u>  |
| <b>Cytogenetics:</b>          | 17p13.1  |
| <b>Gene Summary:</b>          | <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 (4, also known as WRAP53beta) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.</p> |