

## Product datasheet for **SC123364**

### WDR49 (NM\_178824) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | WDR49 (NM_178824) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | WDR49                                  |
| Synonyms:                 | FLJ33620                               |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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Fully Sequenced ORF:

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>OriGene sequence for NM_178824 edited
AGGCACCTGTTGAAGGAAAAAGAAGATCCATCCTTATAGAAAATAGTTGAAGGCAACTGAG
AAAAGGTGAAGCCATTATGAGTTGCCAGAAAGCTGTACTTGAGTTAAACATAGGGTCACA
GCTTGGGCCAAAGAGTCTGAGAGAACAGAAAGGTGAACATTCATTTGAAGACTATGGCAC
AGGCCTGCTTGAAAACCAACTCAGCGTGGGTGACTTTGTAATAACAGAAAGGCCTTTGA
GTTACTTACAATGCATCTTTAGACGCTATCATTTCAGTACAACCAGCAATACAAATAGT
GTGGTGATGGCTTGGAGAGAGAAAATCAAAAAGCGTCTTAATATGACATCCTTCAACATT
GCCCAGGGCATTATGCTTTTGATTATCACTCTCGGCTCAATTTAATTGCAACTGCTGGC
ATTAACAATAAAGTTTGCCTTTGGAATCCCTATGTTGTCTCTAAACCAGTGGGTGTCCTT
TGGGGCCACTCAGCCAGTGAATAGCCGTCCAATTCTTTGTGAAAGAAAAACAATTTTC
AGCTTCTCCAAGGATAAAGTTTTGAGACTCTGGGATATTCAACACCAGCTGTCCATCCAG
AGGATAGCTTGTCTTTCCCAAAAAGTCAGGACTTCAGATGTCTCTTCCACTTTGATGAA
GCCCATGGACGACTTTTCATCTCGTTTAAATAACCAGCTAGCATTGTTGGCAATGAAAAGT
GAAGCCAGCAAGAGGGTAAAAGCCATGAGAAAGCAGTCACTTGTGTTCTTTACAATTCT
ATCTTGAAGCAGTAATCAGCTCTGATACAGGGTCTACTGTTTCTTCTGGATGATAGAC
ACTGGGCAGAAAATCAAAACAGTTTACTGGTTGCCACGGCAACGCAGAAAATCAGCACTATG
GCCCTTGATGCAATGAGACTCGGCTTTGACTGGCAGCAGATGGGACTGTAAAGATA
TGGGACTTCAATGGATATTGTCACCATACACTAAATGTTGGCAAGATGGAGCTGTGGAT
ATTTACAAAATCCTCATTCTTAAGAAGAAAATACTGGTTACAGGCTGGGAGAGGGCTATT
ACTGTGTTTCGACCCAAAACCTTCAATCAATTTTTTATCCAGCCTGAAGAATGAAAAGGA
GGTATACAGCACCATGATGACATCTTGTGTGCTGCGTTTTTACCTCCAAAACCTTGTGT
ACGGGGAGTTATGATGGAGAAAATGTTCTATGGAACAATAGCACAGAGAATGCTCACCAT
GTTCTTCAACCCTGATTACCAGAGTTGCTAAAAGTCAAAATTAGATACAAAACCTCAAAAA
CTTCTCAGTGCTGGGAGAAGCCAACCTCCACCCCATGGCAGACCATTCTACCACGGGA
GTCGCAACTTTGAGATTGACACTGAGGGCAAAAATGCTGTTATGAGACTTTGCTTTCTT
AAAGCAAGAAAAAACTGCAGTGACAGGAGGACTAACCTGGTATCATGTGGAGGATCT
GGTTATGTCAGATTTTGGGATATATAAGAAGCAACTTCTGGCTGAATTTTGGCTCAT
AGTGGAGTTGGATCGATTATTATGTCTACTGATAAGATGAATCGATACCTTACCACAGGA
GATCTTGATGGATGGTTGAAAATCTGGAATATAGAGGAGTACTGTCTTAACTCCAGTAAG
AACAAAATCACCAAGGCCCAACTCTGATAAGATCATTCCAACCTCATGAGGACCGAATA
AGTTCTTAGAGATGTGTGAGCCAGGTGGTCAGTACTGATTATCTCCTCTCTGCAGAC
TGCAATATTTGTGTGACTGGTGTCTGCAATGCTCCTGTTTGGATCTTTGGTCAGGCAAAG
CACTGGCATTATGAAAACCTGCCTTTTCTTCTAAAAGAGATACTAATTTAGTGGAAAAGT
GAGATTCAAAAGGAAATTTCTTTATTTTCTAAGGAGGAATCTTGTTTAGACCCAACAGAA
CATTCTCTACTTAATAAGAAAAACAAAGATGACTCAACATACAATGTCAGACCATCAGAA
GATATAAATTTAGATATAAAATATAAGGAAAGAAGTACCTGCATGAAAGAAAACAAAAAA
CCTTATTATGGTGAAGTTATAAAAAATCATTTCAGTACATTTAGGTCATTAACATTGGA
GCCCTGGAAGAGCTGCCTGAAGTGAATAAACCTGCTTTCTTCTAGACCCCTGAGAAATAC
TTAGGAAAGAACCAGAGGAAGAGCGTCCCAAAATCTGGAGCCCGTCACTTTTTTAA
ACTTTGAAAGCTGTATTTGATGAGAAAAACCTGTTTCCAAGGAAATTTCTGCATCATGAA
CGAAAAGCCAAGCAATTATGCCAAGAAAAAAGTTGTAAGTGAAGAAAAATAAGAAGTAA
TTACAACAGAAAAACCTTCACTGTTACATAAGGTACAGATATAAATGCAGAAAAAGCAT
CAAGAATTCTGCCTTTTATTTTATTTTATTTTAACTTCAGGAAGTTTCTCTTCATGG
GATAATTTAGTACTGCTTTTATCTATCATCTGTCAATTTCTCTGTATTCTTAATAAAAAA
AATATTGAACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_178824 unedited<br>GTTCAAATTTTGTAAACGACTTCACTATAGGGNCGCCGCGNAATTCAGTTNCTNNGGT<br>ACCGGTCCGGNNAATCCCGGGNNATATTGAAACTACAACATGTTAATGGAAGCAAGGC<br>ACCTGTTGAAGGAAAAAGAGATCCATCCTTATAGAAATAGTTGAAGGCAACTGAGAAAA<br>GGTGAAGCCATTATGAGTTGCCAGAAAGCTGACTTGAGTTAAACATAGGGTCACAGCTT<br>GGGCCAAAAGAGTCCTGAGAGAACAGAAGGTGTAAGTGCATTTGAAGACTATGGCACAGGC<br>CTGCTTGNNAACNNCAACTNNCAGCCGGTGGGGTGGACTTTTTTTGAAAAATACAGA<br>AGGGCCTTTGAGTTACTTTACAATGGCATNNCTTTAGACGCTATCATTTCAGTTACA<br>ACCAGCAAATACAAAAATAGTGTGGGTGATGGGCTTTGAAAAAGAAAAATCCAAAAAAA<br>ACGTCTTTAAATATGGACATCCCTTTAAACAATTGGCCCAAGGGCATTCCAAGGCCTTTT<br>GGAATAATAACCCCCGGGGCTAAAATTTAAATTGGACCCGGGCGGGGCTTTATAAAAAA<br>AAAAATTTTGGCCTTTTGGAAAACCCCTTAGGTTGGGCCCAAAAAACCCAGGGGGG<br>GTGCCCTTTTGGGGGCCCCCTCCCCCCCCGTGGGTTATAAAACCCCCCCACAA<br>CTTTTTTTTTTGGGGGGAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT<br>CCAAAAAATTTTTTTAAACCCCCCGCGGAAATAAAAAAACACACA<br>CATTTTTTTTTTCCCCAAAAGAAAAAATTTTTTTTTTTTTTTTTTCTCCAA<br>AAAAAAG |
| <b>Restriction Sites:</b>           | Please inquire  |
| <b>ACCN:</b>                        | NM_178824   |
| <b>Insert Size:</b>                 | 2094 bp   |
| <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>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_178824.3</a></u> , <u><a href="#">NP_849146.1</a></u>   |
| <b>RefSeq Size:</b>                 | 2672 bp   |
| <b>RefSeq ORF:</b>                  | 2094 bp   |
| <b>Locus ID:</b>                    | 151790  |
| <b>UniProt ID:</b>                  | <u><a href="#">Q8IV35</a></u>   |
| <b>Cytogenetics:</b>                | 3q26.1  |

**Gene Summary:**

This gene encodes a member of the WD repeat protein family with nine WD repeats. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]