

## Product datasheet for **SC315031**

### WDR52 (CFAP44) (AK056472) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR52 (CFAP44) (AK056472) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFAP44
Synonyms:	WDR52
Vector:	<u>pCMV6 series</u>

**Fully Sequenced ORF:** >NCBI ORF sequence for AK056472, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGAACCAGATGATCAGGATACTGATGGGGAGAAATCAGTTACATCAAAGAGTGAT
GGGAAGAAGTCTCTGAGGTCTTCTAAATCAGAATCAAGATCTCCTGTTCAAGAAGATAAC
ACATTTTTAGAAAGATGACACAGATGAAACATTTACCAAAGGGGAAGGATCATATTTAGAA
GAAGACTCAGATGAGGAACGTTTGAAGGAAGTTGAGTTCATTTAGTATGGTATGTTG
CAAAGCACTACAGTACCTCAGCAAACCCCTGCTCCAGCTGTGGAAGAAGCAGAGGAGGAA
GTTAAGAAGAAAAATCAGAGAGCTTCTCTATGATTATATGGAGCTTGCTTCGATGCCT
TTTGTGACTCTGGATTCAAACATACCACTGGATCTTCTCACACTGTACATTCTTTTGGT
TATGACTGTAGAAAGCGAGCCAACCTACAACCTTCTGGACGACAGTATCGCCATATACATA
GCTGGGAACCAACTAATCTTTCTGAATTTGAAAACCAAGGAACAGATCTACCTGCGAAGT
AGCAGTGGTGAAGGAATTGGCGTCATTGGGGTTCATCCACATAAAACTTATTTTCACAGTA
GCTGAAAAGGGGAGTTTTCCAGATATTATCATCTATGAATATCCTTCTCTGAGACCATAC
AGAGTCCCTCGAGATGGGACTGAGAAGGGATATGCTTATGTGGACTTTAACTACAGCGGT
AACTTGTGGCCTCTGTTGGTAGTAACCCTGACTACACACTGACTATCTGGAAGTGGAAA
GAAGAACAACCCATACTAAGGACAAAAGCTTTTTCTCAGGAAGTTTTTAAGGTTACTTTC
AATCCTGATAAGGAAGAGCAGTTACTACATCGGGATCAGGCCACATCAAGTTCTGGGAA
ATGGCTTTTACGTTCAACGGTCTCAAGCTGCAGGGATCACTAGGTCGATTTGGCAAAAACA
ATCACTACTGATATAGAAGGCTACATGGAGCTCCAGATGGGAAGGTGCTCTCAGGGTCA
GAATGGGGCAACATGCTGCTTTGGGAAGGTGGTCTGATCAAAGTGGAGCTCTGTGAGGG
ACAAGCAAGTCATGTCACAATGGTCCCATTAAACCAGATAATGCTGTATGAGGGTGAAGTT
ATCACTGTTGGGTCAGATGGATATGTTAGGATATGGGATTTTGGACAATAGACTGCT
GATGTAATAGATGAGACTGGATTGTTGGAGATTGAGCCTATTAATGAACTTCAAGTAGAC
AAGAATGTGAATCTTCTCTATGATAAAAATGAATGAACTGGAATAACTTTTGGTTG
GCTCAGGATGCCAATGGAGCCATATGGAAGCTTGACCTTAGTTTTTCAAATATTACCCAG
GACCCAGAATGCCTCTTCTCCTTCCATTCTGGAGCTATTGAAGCCGTGGCTGTTTCTCCT
CTCACTTATCTCATGGCCACAACCTGCCTTGGACTGCTCTGTTTCAATCTATGATTTTGT
AGCAAACTCCTTTGGCCAGATGAAATCAAACAAGGAGGTAAGTGCCTTGTGGGTA
CCCCGAATGGTAACTTCACTGGAGCACAAATTTGTAGGATTTGAAGATGGAGTTGTT
CGAATTTTGAATTTATGATCCAAAAGGGCTCACGATTTTTGCGGGACGGAAGAAAAT
TTGGATGCTGATATTCAGTTGAAACAGGTTTTCAAACCCATACTGCTTGTGCTACTGCT

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TTAGCTTATGAACGTGATGGGAAATTCTAGCCACAGGGAGTAAAGATCAAAGTGTTC
TTCTTTGAAGTGGAAAGGGATTATAAGCCGATTGGTTATATTAATACTCCTGGACCTGTG
TGTCAGTTAATGTGGTCTCCCATGTCTCATCTGAAAGTACTTTACTAATTATCTGTGAA
AATGGCTATATCTTGAAGCTCCACTTCCAACCATAAAGCAAGAAGAGGATGATCATGAT
GTAGTCTCCTATGAAATCAAAGACATGTGCATAAAATGTTCCATTTTCAAGTGTCAA
TCTAAGATTCTGAGATTAATAGAAATTGAAAAGAGGGAGAGACAAAGGGAGTTGAAGGAG
AAAATAAGGGAAGAAAGGAGGAACAAGCTAGCAGCAGAGATGGGAGAAGATGGAGAAAA
GAATTCAGGAGGAGGAAGAGGAGAAAGAGGAGGAGGAGGAGGAAGAAGAGCCATTACCT
GAAATATTTATTCGTCACCCCTCTCCCATCTCTGTGGATTTACTCAGAGCCAGGG
AAGTTCTGGGTTCTTTGGGTGGCTATGATTCTGGTTTTCTATATCACTGTGAGTCCCC
CCTTGTGATGAAAGCAGTGATTTCAAAGAACAAAAAGTGAACCTATTGATGTCCGTTAT
CTTGCGGATACAGAGGACAATCCCATCCAACTATCACTTTCAACATTAACAAAGTTATG
ATGTTTTGTGGAATGAAAATGGAGCAATTCGAGTCTATGTCCTAAATCAAATGATCCT
TCATTGACCAGTTTGGTGGACTACTGGCACTTCAATATGCATGACAATAATTATGGATGT
ATTAAGTATTGCTAATAGCTTTGATGATCGTTTCTGGTGACTGCTGGAGCAGATGGC
AATATCTTTGTTTTCAACATTTTTCTGAATTTATGCTAAGGAAAGACATGAAGGCCAAA
GTTCCATCTCCAGGTTTGAATTGAAACAGAGCCAATCCAGAAGACATTGAAGATCCC
AAAGCCTACAGTATCGAGAATGCTAGGAGAAAAAGAGAACATGACAAGTTAATGAAAGAA
GTGGGAGAAAATAAGGCACGGAAGAGAGAGCAAAATCAAAGCTTTGAGGAGTGAATTTGT
AATCTATTAGAAATGAATGAAAATTACCAAAGCATATGCAGTTTAAACGAACAGTAAGC
CTAATA
    
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- Restriction Sites:** Please inquire
- ACCN:** AK056472
- 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:**
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:** [AK056472.1](#), [BAB71193.1](#)
- RefSeq Size:** 3260 bp
- RefSeq ORF:** 2949 bp
- Locus ID:** 55779

**Cytogenetics:** 3q13.2

**Domains:** WD40

**Gene Summary:** Flagellar protein involved in sperm flagellum axoneme organization and function.  
[UniProtKB/Swiss-Prot Function]