

Product datasheet for **MC219618**

Wdr1 (NM_011715) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr1 (NM_011715) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr1
Synonyms:	Aip1; D5Wsu185e; rede
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219618 representing NM_011715
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTACGAGATCAAGAAGGTGTTCCGCAGCCTCCCCAGGTGGAGCGGGCGTCTCTAAGATCCTCG
 GTGGAGACCCCAAGGGCGATCATTTCTCTACACCAATGGCAAGTGCATCCTAAGAAACATCGATAA
 CCCTGCTATTGCTGATATCTACACAGAACATGCCATCAAGTGGTAGTAGCCAAGTATGCACCCAGCGGA
 TTCTACATTGCTTCTGGAGACATCTCTGGGAAGCTAAGGATCTGGGATACCACACAGAAGGAGCATCTTC
 TAAAGTATGAGTACCAGCCTTTCGCTGGGAAGTCAAGGACATTGCCTGGACGGAAGACAGTAAGAGGAT
 CGCCGTGGTCCGGGAAGGAAGGGAGAAGTTGGAGCTGTCTTCTATGGGACACTGGCTCTTCTGTGGGT
 GAGATCACAGGACACAACAAAGTCATCAACAGTGTGGACATAAAGCAGACCAGGCCCTACCGACTAGCAA
 CAGGGAGTGATGATAACTGTGCTGCGTTCTCGAGGGCCCTCCATTCAAGTTCAGTTTACAATTGGTGA
 CCACAGCCGCTTGTCAACTGTGTGCGATTCTCTCCTGATGGGAACAGATTTGCCACAGTACGCGTGAT
 GGCCAGATTTTCATTTATGATGGGAAGACGGGAGAGAAGGTGTGTGCCCTTGGAGAAAGCAAGGCCCATG
 ATGGAGGAATTTATGCCATTAGTTGGAGTCTGTAGCACTCATTGCTATCTGCCTCTGGAGACAAAAC
 CTCTAAGATTTGGGATGTCAATGTAACACTCTGTGGTCAGCACGTTTCCCATGGGCTCCAATGTTCTGGAC
 CAGCAGCTGGGCTGCCTCTGGCAGAAGGACCACCTCCTCAGCATCTCCCTGTCTGGATACATCAACTACC
 TGGACAAGAACAACCCAGCAAACCCCTCCGGGTCAAGGGTACAGTAAATCCATCCAGTGTCTGAC
 CGTGCACAGAAATGGTGGCAAGTCTACATCTATTCTGGAGCCATGATGGACATATCAATTACTGGGAT
 TCAGAGACAGGAGAGAATGACTCCTTCTCTGAAAAGGCCACACAAATCAGGTGTCCAGGATGACTGTGA
 ATGAGTCTGAGCAGTTGGTCAGCTGCAGATGGATGACACAGTGGGTACACCAACCTCACACTGAGGGA
 CTACAGTGGACAAGGCGTTGTGAAACTGGATGTTCAACCAAGTGTGTAGCTGTTGGCCCTGGGGGATAT
 ACTGTGGTGTGTCATTGGACAGATTGCCTTCTGAAGGACCAGAAGAAGTGTTCAGCATCGACAACC
 CTGGCTACGAGCCTGAAGTCGTCGCTGTGCACCCTGGTGGGACACAGTGGCTGTTGGTGGCACGGATGG
 CAATGTGCGTGTACTCCATCTGGCCTCCACACTAAAGGATGAAGGCAAACCTCTAGAGGCCAAGGGA
 CCAGTAACAGACGTGGCCTACTCTCATGATGGTGCCTTCTGGCTGTGTGTGATGCCAGCAAGGTGGTCA
 CAGTATTCAGTGTAGCTGATGGCTATTCGGAGAATAATGTTTTTATGGACACCATGCAAAAATTGTGTG
 CCTGGCCTGGTACCAGATAATGAACACTTTCCTCTGGCGGCATGGATATGATGGTGTACGTCTGGACG
 CTGAGTGACCCAGAGACCAAGTCAAGATCCAAGATGCTACCGGCTGCACCACGTGAGCAGCCTGGCCT
 GGCTAGACGAACACACTGGTACCACCTCCCATGACGCTCTGTGAAGGAGTGGACAATCACCTACTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011715

Insert Size: 1821 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).

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_011715.2](#), [NP_035845.1](#)

RefSeq Size: 2878 bp

RefSeq ORF: 1821 bp

Locus ID: 22388

UniProt ID: [O88342](#)

Cytogenetics: 5 20.63 cM

Gene Summary: Induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins (By similarity). Enhances cofilin-mediated actin severing (PubMed:25915128). Involved in cytokinesis. Involved in chemotactic cell migration by restricting lamellipodial membrane protrusions (By similarity). Involved in myocardium sarcomere organization. Required for cardiomyocyte growth at the postnatal and maintenance at the adult stage (PubMed:24840128). Involved in neutrophil actin dynamics and migration. Involved in megakaryocyte maturation and platelet shedding (PubMed:17515402). Required for the establishment of planar cell polarity (PCP) during follicular epithelium development and for cell shape changes during PCP; the function seems to implicate cooperation with CFL1 and/or DSTN/ADF. Involved in the generation/maintenance of cortical tension (PubMed:25915128). Involved in assembly and maintenance of epithelial apical cell junctions and plays a role in the organization of the perijunctional actomyosin belt (By similarity).[UniProtKB/Swiss-Prot Function]