

Product datasheet for **MC205464**

Wdr91 (NM_001013366) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Wdr91 (NM_001013366) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Wdr91 |
| Synonyms: | 9530020G05Rik; AI987683; AU018665 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC055046
 GCGCGCGCAGCGATGGCGGAGGCGGTGGAGCGCACAGACGAGCTGGTCCGGGAGTACCTGCTCTCCGTG
 GCTTCACGCACACACTGCGGCAGCTGGATGCGGAGATCAAGGCGGACAAAGAGAAGGGTTCCGGGTGGA
 CAAGATTGTGGACCAGCTGCAACAGTTGATGCAGGTTTACGACTTGGCTGCCCTTCGGGATTATTGGAGC
 TACCTGGAACGCAGGCTCTTACGCCGTGGAGGATATCTATCGACCTACCATCAACAACTGAAAAACA
 GCCTGTTCCGCTTTTATCTTGTCTACACAATCCAGACAAACCGAAATGACAAGGCACAGGAGTTCTTTGC
 AAAGCAGGCCACGAGCTCCAGAACCAGGCTGAGTGGAAGGATTGGTTTGTCTGCCCTTTGCGGTCC
 CCAGACACCAACCCACCTTTGCTACCTACTTTTCTCGACAATGGCCGACACATTCAATTATTTCTCTGC
 ACAACTTCTGAGCGTCTCTTTTCAGTGCATGCCGTTTCTGTGATCCTGAACTTTGATGCGGAATGCCA
 GAGGACCAACCAGGTCCAAGAAGAAAATGAAGTTCTGCGCCAGAAGCTTTTTGCACTGCAAGCTGAAATC
 CATCGACTAAAGAAGGAAGAGCAGCAGCAGGAAGAAGAAGCAGCAGCTTTGGTCCAGCATAAGCTGCCGC
 CTTATGTTTCCAGTATGGACCGCTTGGGGACTCGGAGCTAGCACTGGTGTGACGCCAGAGGCTGCCTC
 CCTCTCCAGTCTCCTCGAGTGGGGTCTGTCTCACTGCTGCCTCAGAGTAAGAAGAGCCCTTCGAGG
 TTGTCACCTGCCAAGGCCCCCTCAGGCTCAGAGTTCAGCCAAGAAAGACTCCTTCAGCAGTCAAGGCTA
 CCAAGGAAAGGACTCAGTGCCCGGGCCAAAGGATGGGAAGAGCCTTCTGAGCGGCCGGTCCCGGGGA
 AGCCAGCTGGACACATCAGCGACAACGGCTCTGCAGGACCACGCAAGGAGAGGAGGGAGCTGCTCTCT
 ACGTCTCTCTCCAGTCAAGTGTGCAGAGAGGAAGCCGGAAGTTAGTGGCGCAGAGGCTGAGCCCTGCC
 TGGAACTCCACATGGGGCCAGTAGAGGTGCTGGCCGGGTGTCCACAGCCGGGTCTGAGGGAGACCGTCC
 GGAGCAGCCCTTCATAGTGTGAGCCAAGAAGAGTATGGAGAACCACATTCATCCATCATGCACTGCAGA
 GTGGACTGCTCTGGTAGGAGAGTGGCCAGCTTAGACGTAGATGGGGTTCATCAAGTGTGGTCTTCAATC
 CCATCATGCAAACCAAGCGTCTCCATTTCTAAGTACCAGTCTCTCCCTAGAGTGGGCCACCAAGCG
 AGACAGGCTGCTCCTGCTGGGACGTGGTGTGGGACAGTGCCTCTATGATACAGAAAGCAAGAAGAAC
 CTCTGTGAGATCAACATCAATGATGACATGCCCAAGTCTGTCTTTGCCTGCAGCCCAACGGGGCT
 CTTTCGTCTGTTAGCCGAGCTCCAGCTCACCTCCAGACAGACTCCTCCGCCCGGATATCGGCAG
 CAAAGGCATGAACCAGGTTCTGGCAAGCTGCTGTTGTGGGATACAAAGACCATGAAGCAGCAGTTCAG
 TTCTCACTGGACCCAGAGCCATTGCCATCAACTGCACGGCTTTCAATCAACAACGGGAACCTGCTGGTCA
 CAGGGGCGGCTGACGGTGTATCCGGCTCTTTGACATGCAGCAGCAGAGTGTGCTATGAGCTGGAAGGC
 CCACTGCGGCGAGGTCTACTCTGTGGAATTCAGCTGTGACGAGAATGCTGTGTACAGCATCGGCGAGGAC
 CGCAAGTTCATCCAGTGAATATCCACAAGAGTGGCTCAAGGTGTCTGAGTCCAACCTCCCTTCAGATG
 CCACCGGCCCTTTGCTCTGTGGCTACAGTGGCTACAAGCAGGTTCAAGTTCAGAGGCCGGCTCTT
 CGTTTTGACTCTGAGGGCAATTACATGCTGACGTGCTCTGCCACAGGGGCCTCATCTACAAGCTGGGC
 AGTGAAGAGAAAGTTCTAGAAAATTGTCTGAGCCTGGGTGGCCACCGTGCCCTGTGGTACCGTGGACT
 GGAGCACCGCCATGGACTGTGGGACGTGCCTCACAGCCTCCATGGATGGCAAGATCAAGTGTACTCCCT
 CCTAGCCCATAGCTCTGATGTCGGGCCGGCTGACACGGCACGGGAAGCAGAACCCTCTCTGGCAGAAG
 AGAGATGAGACGGGGGACAGGACAGGGCTCTGGTCTGCACTGCCAGGGTGGTGGATCTTCAGGAAAGCC
 CCCAAGGGGGCTCAGTCGTCTGACGAAGCCCTGGAGCAGGAGATGTGGAGCAGGCTGCGTGTACTCCC
 TGGAGACTAGAACCGTGGCTATAGCGGAGCATGCTCCAGAGCACAGGACTGATGCTAAGGAAGGAGCCAC
 AGTGGCCGGCGCACCCCTGTTCCGGTCCAAGAGGCATTGACTGTATTTTGTACATAATTGCTTATTTTCTT
 ATTTAAGGGGAAAAAAAAATCAGAGCAAGGTAATGCTCTTACAGTCAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_001013366
Insert Size: 2247 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).

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| 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>BC055046</u> , <u>AAH55046</u> |
| RefSeq Size: | 2759 bp |
| RefSeq ORF: | 2247 bp |
| Locus ID: | 101240 |
| UniProt ID: | <u>Q7TMQ7</u> |
| Cytogenetics: | 6 B1 |
| Gene Summary: | Functions as a negative regulator of the PI3 kinase/PI3K activity associated with endosomal membranes via BECN1, a core subunit of the PI3K complex. By modifying the phosphatidylinositol 3-phosphate/PtdInsP3 content of endosomal membranes may regulate endosome fusion, recycling, sorting and early to late endosome transport. It is for instance, required for the delivery of cargos like BST2/tetherin from early to late endosome and thereby participates indirectly to their degradation by the lysosome (By similarity). May play a role in meiosis (PubMed:27346680).[UniProtKB/Swiss-Prot Function] |