

Product datasheet for **MC220306**

Wdr48 (NM_026236) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr48 (NM_026236) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr48
Synonyms:	8430408H12Rik; mKIAA1449; Uaf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220306 representing NM_026236
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCCCATCACCGCAGAACACAGCCGGGCGGAGAAAGTGCAGGTTTCTTATGTAATTCGAGATG
 AAGTGGAGAAATACAATCGGAATGGAGTCAATGCCCTGCAACTGGACCCAGCACTCAACAGACTCTTCAC
 AGCAGGTCGAGACTCCATCATAAGAATATGGAGTGTCAATCAGCACAAGCAAGATCCGTACATAGCATCT
 ATGGAGCACCATACAGACTGGGTAATGATGTCGTGCTCTGTTGCAATGGGAAAACGCTAATTTCTGCTT
 CTTCAGACACAACAGTCAAAGTCTGGAATGCACATAAAGGGTTCTGCATGTCCCACTCAGGACGCATAA
 GGACTATGTAAGGCCTTAGCGTACGCCAAGGATAAAGAGCTGGTAGCGTCAGCTGGGCTGGACAGACAG
 ATATTCTTTGGGATGTGAACACTCTGACGGCACTGACTGCCTCAAACAACACCGTTACAACCTTCTTCTT
 TAAGTGGAAACAAAGACTCCATTTATAGCCTGGCCATGAACCAACTGGGAAACAATCATTGTATCAGGGTC
 CACTGAGAAGGTTCTGAGAGTGTGGGATCCAAGAACCTGCGCGAAACTCATGAAGCTGAAAGGACATACG
 GACAATGTGAAGGCCCTTCTGCTGCACAGGACGGCACACAGTGCCTCTCTGGGAGTTCTGACGGGACCA
 TTCGCTGTGGTCCCTTGGCCAGCAGAGATGTATAGCAACATACCGAGTCCATGATGAAGGTGTTTGGGC
 CCTACAGGTCAACGATGCCTTTACACATGTATATTCTGGAGGACGAGACAGGAAAATCTACTGCACAGAC
 CTAAGGAACCTGACATTCGGGACTGATTTGTGAAGAAAAAGCACCAGTTCTCAAGATGGAACCTTGACA
 GATCAGCAGATCCCCCTCTGCAATCTGGGTGCAACAACAAAGTCCACAGTAAATAAGTGGACACTGAA
 GGGAAATCATAATTTTCGAGCCTCTGGTATTATGACAATGATTGTACAAACCCATAACGCCCTCTGC
 ACACAGCCCGACCAAGTTATTAAGGGGGCGCTAGTATTATTAGTCCACATCCTAAATGACAAGCGAC
 ACATATTAACCAAAGATACGAATAACAATGTGGCGTACTGGGATGATTGAAGGCATGCAAAGTGAAGA
 TTTGGGCAAGTGGACTTTGAAGATGAAATTAAGAAAAGATTTAAATGGTGTATGTTCCAAATTGGTTTC
 TCAGTAGACCTAAAAACAGGGATGCTGACCATTACCCTGGATGAGAGTACTGCTTCGCTGCCTGGGTTT
 CTGCGAAAGATGCTGGCTTAGCAGTCCTGATGGGTGAGACCCAAAACCTGAACTTAGGAGGACTTCTACT
 ACAGGCACTGCTGGAATACTGGCCAGGACACATGTGACTCCCATGGATGAAGAAGAGAATGAAGTGAAC
 CATGTGAGTGGGGACAGGAGAGCAGAGTCCAGAAGGGAAATGGTTATTTCCAAGTGCCCCACACACCC
 CGGTGATCTTTGGAGAAGCTGGAGTGCACACTATTCAGGCTGCTCTGCCGGGACTCCGGGGTGAGAC
 TGAGGCGATGCTTCTCAATGAGACGGTCCACAATGGGTGATTGACATCACTGTGGATAAAAAATATGCC
 AAATCAACAAAATTCCTTTCTACTCCAACCTCATGCATCTTCAGGAGCAAAAACCTTTAAAAAAGACA
 GGCTGTCTGCCAGTGACATGCTGCAGGTCGGAAAGGTGATGGAGCACGTCTACGAGAAGATTATCAACCT
 GGACAATGAGTCCAAAACCACCAGCTCTTCTAATAATGAAAAGCCAGAGCAGGAGAGGAGGAGGACATC
 GCGGTATTGGCAGAGGAGAAAATTGAACTTCTGTGCCAGGACCAGGTTTTGGACCCAAATATGGACCTTC
 GGACAGTAAAGCACTTCATATGGAAGAGTGGTGGGACCTCACCTCCATTACCGTCAGAAGTCCACGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_026236
- Insert Size:** 2031 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_026236.3](#), [NP_080512.1](#)

RefSeq Size: 3821 bp

RefSeq ORF: 2031 bp

Locus ID: 67561

UniProt ID: [Q8BH57](#)

Cytogenetics: 9 F4

Gene Summary: Regulator of deubiquitinating complexes. Acts as a strong activator of USP1 and USP46. Enhances the USP1-mediated deubiquitination of FANCD2; USP1 being almost inactive by itself. Also activates deubiquitinating activity of complexes containing USP12. Activates deubiquitination by increasing the catalytic turnover without increasing the affinity of deubiquitinating enzymes for the substrate.[UniProtKB/Swiss-Prot Function]