

Product datasheet for **MC222671**

Wdr63 (NM_172864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr63 (NM_172864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr63
Synonyms:	4931433A13Rik; IC140; Ida7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>MC222671 representing NM_172864
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCACCAAGCCACCGAAGAGCCCCAAGGGCCAGAAAAAGGGCAAAAAGAATATGAAGCAACAGTTAC
 TTGTTCTGAGGAAGAGGAGCCCATGAACATGGAGAGCATGGGCCATCCAGAAATTTATCCACTAGTATT
 AACTACCAAGACCCAGGAAATATTCAACTGTGAGTAGATGAAGATATGACAGACGAACAAACGTATAAG
 CTTATCAAAAAGGAAGATATCTTGGCAGACTTGCAAAACCGAGCCGAGTATCTGACTTCCACCCAGTCA
 AAAAAATTGTCCGGGAGTACCCAGGGGAGGAACCTCTCCTCGTTTATGACAAAGACTTCAAGTATGGACT
 TAACTTTTACCTCATTGGAACAGAGGACGGCAAGGAGAATTTTTAAAGCCACCAGAAGTCCAGAGGAA
 CAAGAAGAGCCCAAGGAGCAGTCCAAGAAGACGTGTACGTCTACAATCCTCCGCTCTCAAGCCATGGG
 TGTCGCTGGGCAGCGAGAAAGAAATGAGGAAGAATCTGTCCAGGAATCAGGAAAGCGGGTGACCTACAT
 GATTTCTAGAAAACGGAGTGAATTTGGTGCACCGAGTCTTTCAGTGACCAGAATGCCTCTAGCGTAAAA
 GATGCCTACATTGAGTGTACGTCTTACCAGAGAAAAATTACACCCTCTACAAGTTGAGAAAGATGTCG
 GCTTGCAAGTCATTGCTGAAGTCAAGGACACAAGCACGCAGACAAAAATGGGCTTTTCTAAAAATGCTAC
 CACTCAGTATTATCCAAGAGAATTTCTCAGAAGAGGAAAAAGCCTCATCGGAAAAATCAAAATCTTTGGTC
 GACTTTTTCAACAATGTGTCCACAAGCGTTGAAGTAGCCCTGCAGCAGAAATGAGATCATGAACACGTTTA
 TCGACGACTGGAAGAACCTCGCAGAGGAGGAGACACCTTTGGGGACAAGACTGACACCCATCTGAAGGA
 GTACCAGTCTTTACAGACCTTCAACAACCCATGGAGAAAATGATTACCTGTGTCTTTGGCACCCGACC
 ATCTTCGGGCTCATAGTCGTGTCTGTGGCCGTGCGCCTCTCTATGAAGAGAGAGTCCAGAATTCGGCA
 GACTGTCTGTCAGCCGTCAGTCTCTCTCTGGAGTCTCTCGACCCCATCCACCTCAGTTGATGCT
 GGAGAGCCCGGATGACATCTTCTGCTTCGAGTTCTGTCCAAGTGACCCCAATATCATCGCCGGAGGCTGC
 ATTAACGGACAGATCGTCTTGTGGGATATCACGGCACACGCGGACCGCATAGAGAACATCAAGACGGGCG
 GCCACAGAAGTAAAAAGACCTCTCTCAAGCCATGTTTCTCCTTGAACCAGACAGCAATAAAGAATCGAT
 GTACATCAGACACTGTGCAGTGTCTTCCATTGAAAATGGCCATAGGAAAGTAATCACGGATATACACTGG
 CTGCCCGACTCATTGAGATTAACAGGATGGGATCCGCTTTTGAACCGAAGTGAATAAATTGTCAGC
 TCGTCACATGCTCAGCAGACTGCACGATTTGTTTTGGGATATCCGGCCCCAAAAACCTGCAGTCACAGC
 TGCAGTGCAGCCTCAGCAGCAACCACAGCCACCAACAACGCAAACTCCCAGCAATCACCGTAGAGAAG
 AAGAAAGAAGAAAACATTGACATTCCTTTGATGTGCCCTCGACTTTCTTGCACCTAGATCTCTCCTGGA
 AACCCCTGTCTAGATTAAGTGTCTAAGGGTGATACAAGTTTAGACCACTGTCCAACCAAGCTGAGCCT
 GGGCGAAGACCCTTTTCTTTGCAAAATACAAGGTACGTGCTCATTATCATATTCTGAGAGACAAGATG
 TTAAGTCAGATCAAGATGGTGAAGACGTGAGAAATTAACCCCTACCAAAACCTGGAAGCAGGGATAGCCA
 ATATCCTCAAGCCGATAGAGGACTTCTGCACGAAGTTCTCGTGGGAACAGAGGAAGGTGAGGTGATATA
 CACAGACTGGAATGGAGAGGACTCTGACACCGGACGACTTATGGCCAAGAAACCTGTGAGCCTCTAC
 ACCGTCCACGATGGGGCTGTCCACACCATCCAGAGGTGCGCTTTCTTCAATGACATCGTCTCACTGTTG
 GGGGATGGAATGTGGCTATCTGGAAGGAGGAGTATGACGGGACCGCTCCTTCAAACGTGCTGCGGACC
 GAAAAGGTACACGGCAGGACACTGGTCCCTGACGAGGCCTGGAGTGTCTACATCGCCGAGAGGACCGGA
 AATGTGATATCTGGGACCTCTGGAGAAAACACGAGCCAGCCAGTCCCAGAATATCTGCATACCA
 TGATCACCTACATCAAACCTGGACCTTCTCTAAGCAGCAGTTTATAGCCGTAGCTGACTATTACGG
 AACACTGCACATCTAGAAATCCCTTGGACCTTAAAGTCAACCTTCTTGAATGAGGTATCGAGTGTGAAC
 TACTACTTTGAGAGAGAAGTCAACACCTGGAATACGTCCAGCAGCGCAAAAGAAATCCGTGAGCAAGAAA
 AGATAGATATGGCCCTGGAAGTGGTGAAGAAGAAAGCGAAAATCTATCAAAAGACAAAAGAGCAAAATGGA
 GGCCGAGCTGAAGTTGGAATACGAGAGCTATCTGGATCTTGAGAAGTCTGTCTCTTCGCCCTCGGCCTC
 AGCAAAGTCTCAGAGAAGAAGTCTACTTGGATTACAT TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_172864
Insert Size:	2772 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:	<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:	NM_172864.3 , NP_766452.2
RefSeq Size:	3082 bp
RefSeq ORF:	2772 bp
Locus ID:	242253
UniProt ID:	B2RY71
Cytogenetics:	3 H2
Gene Summary:	Acts as a negative regulator of cell migration, invasion, and metastasis downstream of p53/TP53, through inhibition of Arp2/3 complex-mediated actin polymerization (By similarity). Via its association with the multisubunit axonemal dynein complex, is potentially involved in the regulation of cilia function (PubMed:30060180). May play a role in osteogenesis of dental tissue-derived mesenchymal stem cells (PubMed:25498833).[UniProtKB/Swiss-Prot Function]