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Product datasheet for MC225015

Wdr90 (NM_001163766) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr90 (NM_001163766) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr90
Synonyms:	3230401M21Rik; AI551153; mKIAA1924
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC225015 representing NM_001163766
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGGAGGTAGCGGCGCGCGCGAGACGCGCTGTCGTCAGGGCTCGCGTCCCGGGAGTCCCGGGTCCG
AGGTCCCCGCCGCGTCAGTGACTGGACCTCGTGCAGAAGCCCGTCCCGCGGGCGGAGGTGGAGGGTCGCG
GCGCGCTGCCCCAGATCGGTGCTCAGGCGGCGTCCCTTCTGCAGCCTGGCAGCACCCTTTCCTCAATGTA
TTCAGACATTTCAGGGTGGATGAGTGGAAACGGTCCAGCAAAGAGGGAGATGTGGCTGTGGTGACGGACA
AGGTCCTGAAGAGCGCTGTGTATCGCATCCGTGGGTCTGTATCTGCCAGCAACTACATCCAGCTCCCCAG
AACTAGCACCCAGTCTCTGGGGCTGACTGGGCGGTACCTGTATGTGCTTTTCCGGCCTGTGCCTACCAAG
CACTTTGTCATCCACCTGGACGTGTCCACCGAGGACGGCCAGGTCATCCGTGTGTCTTTCTCCAACCTCT
TTAAGGAGTTCAAGTCCTCCACAACGTGGCTTCAGTTCCCCTTTGTCTTCGAGACTAAGACACCCAGGAG
AGGTGGTGACATTTGGTCCAAGAGGGACGGCTTGAATGAAGGCCTAAAACGGGATGACCTGGCAGGTGTA
GCTCTTCCTCGTGCCCGCTGGACCTGCCTACAGCTGGACCTGCGTGACATCCTGATGTTCTACCTGGGCA
GGCACTATAGTCATCTCAAGAGCATCAGGCTGTGTGCCAGCCTGCTAGTCAGAAACCTCTACACCAGTGA
TCTGTGCTTTGACCCTGCTGTCACTGTCACTGAGGCCCGGCGTGCAAAGTTGTCTGTTAACCCTATGCCT
CGAGAAATGGCTTTCCCGGTGCCAAAAGGGGAGAGCTGGCATGACAATTACATCCACGTTCGGTTTCCAA
GTGACTGTTCCAAGGTGCCTGATGAGCAGGATGAGAAGAGCTGTTCCCCCCCAGAAGCAGTCTTCCTAGG
TCGTATGTCACGGCACCTGCCTCATCCAGGGGTCTTGGGCAAACCTTTGCTGAGCAGTAAGTCCCCTGTG
GCCCAGGCATGTAGCTCTGCATTGCCATGCCAGGTCCTTTCAGCATCTAGTCGCCTTCCAGAGGTCAGCC
GGACCTACAGGTATCGAGAAGTCTCCAGTGTAAGTGCCTCCAGCATCCAGAGCCAACGTCCTTCAGTTCG
CGATGAGGTTCCCGATGCACACACGGTGTCCGGCGAGAGACACGTTCTTGCTGACAGATCATCTGGCGTG
CCCATGGCCCTTGAGGACATTGGTTCCTGTAGGCTTTTCCTCCCAGACCCAGTCCTGAGGCTCAAGGGCG
TCATCGGTTTTGGGGGTCACAGCACCCAATGGGCCCTGTGGACCAAAGATGGTGTGGCTGTTGTTTACCC
CTGCCATGCAGTCATAATTGTCCTGCAGATTGACACTGGACAGCAGAGGTTTTTCCTTGGCCATACCGAC

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AAGGTCTCTGCCCTGGCGCTCAATGGCAGTGATACGCTGCTAGCCTCAGCTCAGGTGCAGCCTCCCAGCA
TGGTGCGTCTCTGGGACTTCCAGACTGGGAGTTGCCTGTCTCTCTTCAGAAGCCCACTGCACACCATCTG
CTCCCTCAGCTTCTCTGGCAGCGGGGCACTCCTCTGCGGTGTGGGCAAGGACAGACACGGGAGGACGGTG
GTGGTGGCCTGGAGTACAGAGCAGGCGGGCCTCGGCGGTGAGGTCGTGGTTCTTGCAAAAGTGCACACTG
ACTTCGATATTCGGGCCTTCCAGGTGGCCTTTTTTGATGAAACCAGGATGGCATCATGTGGTCGGGGCAG
CGTGAGGCTCTGGCGGCTGCGGGGTGGTGTTCTTCGGTCCTGCGCTGTGGACCTGGGGGAGTACTGTTCA
CTGGAGCTCACTGACCTTGCCTTTGCACAGGCGTTGGATGGCCACTGTGCCCCCTCGGCCGGCACACTCT
TTGTGTGCAGCCATAGTGGTCACATCCTGGAGATTGACCACCAGCGCATGTCGGTGCAGCACGTCCGCCG
CTTGCTGCCTGCACGGTCCCCTGGTGCTCCCCTCGCCGAGAAGCAGAACTTTAGCGTGGGGTCCGGCATC
GCTATCAGTAGCCTCAGTGTCTCTACTGCCACATGTGCTGTGGGCTCTGAGGATGGCTACTTGCGACTCT
GGCCCCTGGACTTTTCCTCCGTGCTCCTAGAGGCCGAACACGACGGCCCTGTCAGTTCGGTCTCCTTCAG
TCCCGATGGCCTGCGTGTGCTGTCCACCACCACTTCAGGCCACCTGGGCTTCCTGGATGTCCCCTCCCGG
GAGTATACTGTGTTGGCACGCTCCCACATGGCCCCAGTGTTGGCGCTTTCTACAGAACCGAACCGGGGAC
AGATGGCCACTGTGTCCCTTGACCACACTGTCCGTATCTGGGACCTGGCTACCCTACAGCAGCTGTATGA
CTTCTCGTCCTCCGAGGACACCCCTTGTGCTGTTGCTTTCCATCCCACAATGCCAAACTTCTTCTGTGGC
TTCAGCAGTGGGGCCGTGCGTTCCTTCAGCTTGGAGAGCTCTGGAGTCCTGGTAGAACACACGCGTCACC
GAGGGGCCATCACCAGCCTGGTCATCACCCTTGACGGCAGATTCCTGTTCAGCTCCTGCTCTCAGGGCTC
CCTAGTCCAGTACAGCTGTGCTGACTCTCAGTGCTGCGTCCTACGTGTGGCAGCCAACATGGTCTGTCAG
GATGGTCGCCCCAACCCCAATATTCTGGCAGTCAGTGGAGACAGCTGCCGGCTGGCCTTTGTGGGCCCCT
CCAAGTGCATGGTGACAATTGTGGAGTCGGCCTCTTTGGATGAGCTACTCCGTGTTGATGTCAGCACCCT
CAACCTGGCCAGCAACCACCTGGACTGGGCTGTGGCTATCTGCTTCAGCCCCGGGAACTCAGGCCATCTG
CTGGTGTCCACATCCTCTAACAAGGTTGTGGTACTGGATGCTGTGTCAGGACACACCCTCCGGGAGTTAT
CTAGTGTCCGCTCCAGAGCCTGCTGCTCCCTGGCTCTCAGTGAGGATGCTCATTTGCTGCTGGCAGCCAC
TGACCGGACCATTACAGTATGGGATTATCCAACACAGGCGAACCCCAGCTGCCAGGTATACATTGGCCAC
TCAGAGCCTGTGCACGCTGTAGCCTTCACACCTGATCAGCTGCAGGTCATCAGTGTGGGGGATGCTATCT
TCCTCTGGGACATCCTGGCTACCCCTGAGAGAGATGGAGGTGATCATGAAGCACCCCCAGGGCATGAGGC
CGGCTCTAGTTCGGGGCAGCTGGATGACCTGGCATCCGGGGCCAGTGGACTCCCTCGGCAGCAAGTGCCC
ATACCGTTTCAGGCATTACCGCCTCCACTGAGTAGCCATGACAGGCTCCTTGACGGCAGTACTGGCACCT
TCTCCACGTCTGATGAGGAAGGACTCTGTGAGGAGAACCATGTTTCTGAGGCGCTCCTCCAAGGCCAGGC
CCCGACCCCACATGTGCTCGTGGACAGGGAAGCCAGTGGTGCTGGGGATGCCCCTCGGGAGACTGCAGGG
AGCTCCTGGACACCAGCTGAGCGTCCCAGTCCCCACAGCCACATGAGTGAATGGAGCCTGCGGAGCGGGA
AGGCTGGGCTCCCAACCCGCCCAGATTCCTACAAGCACTTCACACCTCGATATAAGACCTCACCACGGGT
TAAGAGTGTCTACTTCCCTCCCATTGGCAGGGAGCGGCTGCGACTGAAGGCCATTGTGGGCTACAATGGG
AATGGGCGGGCCAACATGGTCTGGAGGCCCGACACAGGCTTCTTTGCCTACACTTGTGGTCGCCTGGTGG
TAGTGGAGGACCTGCATTCTGGCACCCAGAGGCACTGGCTTGGCCATTCTCAGGAGATCTCTACTCTGGC
ACTCAACCAGGATGGCCAGATCTTGGCCTCTGCCTCCTGCTGCGGCAACACAGCTGCCCGTTGCCAGATC
CGAATTTGGGATGTTCCCAAGGGCCTTTGTCGGCACCTCCTTTCCCATCATGACACAGCTGTGCAAGCTC
TGGCTTTCTCACCAGATGATGAGTTCCTTGTAACGCTGGGGGACTATGCTGACAGGAACCTTGCCCTGTG
GAGCATGGCCACCTATGAACTCCTGTCATCCACTCGCCTCCTGGAGCCTGTGCATGGTGTGGCCTTTAAC
CCATGGGATGCCAATGAGCTCATCTGTGTGGGCACAAATGCCATCACCTTCTGGCTCCTGCAGCATCATG
GGGCAGACACCTGCTTCCAGGTACACCGGGAACCAATCCCCGAGGAACTGGGGGCGTCCGAGTTGACCTC
ACTCTGCTATGGGGCCAGCCCTCTGCTCTACTGCGGCTCCAGCTCTGGCCAGGTCTGTGTCTGGGACACT
GGCACTGGCCACTGCTTCCTGGCCTGGGAGGCTGACGATGGGGAGATCGGGGTGCTGCTGTGTTCAGGCT
CTAGACTGATCAGTGGGAGCAACACAAAAAGGCTGCGCCTTTGGGCTGTGGGGGTTGTGCCAGAGCTAAG
GCGCAAAGGCTCCAGTGCCAGATCCAGTTCTGTTTTCATGGAGCGTGAGCTGACCCTGGATGGGGCTGTT
GTGAGTGCCAGTTTTGACAGTGGCATGGACATGGGTGTAGTGGGTACCACAGCTGGCACCATCTGGTACA
TCAGCTGGACAGAGGGCACTAGCACCCGCCTCATCAGTGGCCACAGGACCAAGGTAAACGAGGTGGTCTT
CAGCCCCGGTGAGTCTCACTGTGCCACCTGTGGTGAGGATGGGAGCGTGAGGGTGTGGTCTTTGGCCAGC
ATGGAGCTGGTGATCCAGTTTCAGGTGCTGAACCAGAGCTGTCTCTGCCTTGCGTGGACGCCCCCGTCCT
GTGAACTCCCAGAGCAGCAGCAGGTGGTGGCCGGCTACAGCGATGGCACACTTCGAGTCTTCAGTATCTC
TCGTACAGCAATGGAACTCAAGATGCACCCCCACCGGACCGCTCTGACAGCCATCGCCTTCTCCACCGAC
GGTCAGACCATCCTATCTGGAGATAAGGACGGACTTGTGGCTATAAGCCACCCCTGCACAGGAATGACCT

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TCCGTGTGCTCAGTGACCACCGGGGTGCTCCAATTTCTGCTATCCAGAGCACGAGCAAAGAATATGGAGA
CCTAGGGGTAGAGGGTGTAGAACTGTGGCTGGCTGCAAGTGGGGACCAACGTGTCAGCATCTGGGTCTCT
GACTGGCTCCGGGACCGCTGTGAACTCCTGGAATGGTTGAGCTTTCCTGCACCTGCTGTCTCAGAGGCTC
CAGGCCTCCTGCCCCCCTCTCTTGCTGCCTTCTGCCCTTGGGATAAGGCGATACTGGTGTGTGTGGGCCT
GGGTGCACATGAGGAGGTCATCTTCTACAGCCTCCGTCAGAAGCAGGTGATACAGAAGACACCTCTGCCC
TTCTTTGCCATGTCTTTGAGCCTGTCCCCAGGATCTCAGCTCATGGTGGTTGGTTTTGCTGAGTGCATGA
TGAGGCTCCTAGACTGTGCGTCAGGGACTGCCCAGGACTTGGAAGGCCATGATGACTCGGTCCACCTGTG
TAGGTTCACTCCATCTGGCAGACTGCTCTTCACAGCTGCTCACAACGAGATCCTGGTGTGGGAAGTCACC
GATCCCTGA

ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI

ACCN: NM_001163766

Insert Size: 5679 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001163766.1, NP_001157238.1

RefSeq Size: 6068 bp

RefSeq ORF: 5679 bp

Locus ID: 106618

UniProt ID: Q6ZPG2

Cytogenetics: 17 A3.3

Gene Summary: Required for efficient primary cilium formation.[UniProtKB/Swiss-Prot Function]

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