

Product datasheet for **MR206868**

Wdr18 (NM_175450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr18 (NM_175450) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr18
Synonyms:	2310012I10Rik; AU044733; AW122032
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR206868 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGCGCCCATGGAAGTGGTGTGTACTGACGCCGCGGCACAGCTCTGGAGCTGCGTGGTGTGGG
 AGCTTCATTTCGGGCGCCAACTGCTCACCTACCGAGGCGGCCAAGCGGGCCGCGAGGCCTGGCGCTACT
 CAATGGCGAGTACCTGCTGGCGGCGCAGCAGGGCAAGAACTACATCTGCGCCTGGGAGCTGCAGCGTAAG
 GATCAGCTCCAACAGAAAATCATGTGCTCTGGGCTGTCACTGTCTGACCACAGCACCTAATGGCTTGT
 ATGTCTGGCAGGAATTGCAGAGAGCATCTACCTGTGGGAGGTCTGCACCGGGAACCTCTGGTCATCCT
 CAGCCGGCACTACCAGGACGTGCTGCTGAAGTTTACAGGGGATGGCAGTCATTTTGTCTCAGCGGGC
 AAGGACTGCTTGGCGCTGGCCTGGAGCCTCTGCAGTGTGCTACAGGCAGACCCATCCAGGATCCTTGCCC
 CAAGACATGTCTGGTCCAGCACACGCTCCCAATCACAGACCTGCACTGCGGCTTCGGAGGCCCATGGC
 CCGGGTGGCCACCGCTTCATTGGACAGACTGTGAAGCTCTGGGCCATCTCTCGGGGGACCTGCTGCTG
 TCTGTCTTGTGTTGACATGGGCATCACATCTGTGACCATGGACCTGGCCGAGCACCACATATTCTGTGGAG
 GCAGCGATGGCTCCATCTTCCAGGTGGACCTGTGCAGCTGGCCCGGACTGAGGGAGCACAGCTTCCAGCC
 TGAGCAGAACACAGGGAAGGTCTTCAAAGGACACAGGAACCAAGTGACATGCCTGTCACTGTCAACAGAC
 GGCAGTGTCTGCTCTCTGGCTCCACGATGAATCAGTGAGGCTGTGGGACGTGAAGAGCAAGCAGTGCT
 TGCGCACAGTCAACCTCAAAGGCCAGTGACCAATGCAGCCATCATTCTGGCCCCACCCAGCATGCTGAA
 CCCTGAATTCAGGCCAGCCTGCCCTGCCCACTTCAACAAGCACCTGCTGGGGGCTGAGCATGGAGAT
 GAAGCCCAGGGTGGGGGCTGCGCTGCAGTACGGCTCCACCTGCAGGGCAAAGAGCCTAGCTACCTGG
 AGCGTCTGGAGCAGCTGCAGGCAGTGTGTCCAGCTACCTGGAGAAGAATGCTAGGCAGCCAGATGCT
 GCCAGCACGTGTGTTGATCTGGAGGATGAGGTGCGTAGCCTGCGCAAGATCAACAGGGACCTGTTTCGAC
 TTCTCCACGCGCATCATCACAGGCCCTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206868 protein sequence
 Red=Cloning site Green=Tags(s)

MAAPMEVVVCTDAAQLWSCVVWELHSGANLLTYRGGQAGPRGLALLNGEYLLAAQQGKNYICAWELQRK
 DQLQQKIMCPGPVTCLTTAPNGLYVLGIAESIYLWEVCTGNLLVILSRHYQDVSLKFTGDGSHFVSAG
 KDCLALAWSLCSVLQADPSRILAPRHVWSQHTLPITDLHCGFGGPMARVATASLDQTVKLWAISSGDL
 SVLFDMGITSVTMDLAEHHIFCGGSDGSIFQVDLCWPGLREHSFQPEQNTGKVFKGHRNQVTCLSVST
 GSVLLSGSHDESRLWDVKSQCLRTVTLKGPVTNAAIILAPPSMLNPEFRPSLPLPHFNKHLGAEHGD
 EAQGGGLRLQLGLHLQGKEPSYLERLEQLQAVLSSYLEKNMLGSQMLPARVFDLEDEVRLRKINRDLFD
 FSTRIITRPSK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_175450

ORF Size: 1293 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_175450.4](#), [NP_780659.2](#)

RefSeq Size: 2954 bp

RefSeq ORF: 1296 bp

Locus ID: 216156

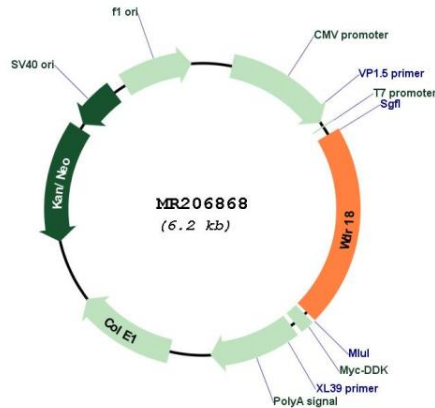
UniProt ID: [Q4VBE8](#)

Cytogenetics: 10 C1

MW: 47.2 kDa

Gene Summary: May play a role during development (By similarity). Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206868