

Product datasheet for **MG206868**

Wdr18 (NM_175450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr18 (NM_175450) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wdr18
Synonyms:	2310012I10Rik; AU044733; AW122032
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206868 representing NM_175450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCCCATGGAAGTGGTGGTGTACTGACGCCGCGGCACAGCTCTGGAGCTGCGTGGTGTGGG
AGCTTCATTGGGGCGCAACCTGCTCACCTACCGAGGCGGCCAAGCGGGCCGCGAGGCCTGGCGCTACT
CAATGGCGAGTACCTGCTGGCGGCGCAGCAGGGCAAGAATACTGCGCCTGGGAGCTGCAGCGTAAG
GATCAGCTCCAACAGAAAATCATGTCTCTGGCCTGTCACCTGTCTGACCACAGCACCTAATGGCTTGT
ATGTCCTGGCAGGAATTGCAGAGAGCATCTACCTGTGGGAGGTCTGCACCGGGAACCTCCTGGTCATCCT
CAGCCGGCACTACCAGGACGTGTCTGCCTGAAGTTTACAGGGGATGGCAGTCATTTTGTCTCAGCGGGC
AAGGACTGCTTGGCGCTGGCCTGGAGCCTCTGCAGTGTGCTACAGGCAGACCCATCCAGGATCCTTGCCC
CAAGACATGTCTGGTCCCAGCACACGCTCCCAATCACAGACCTGCACTGCGGCTTCGGAGGCCCCATGGC
CCGGGTGGCCACCGCTTCATTGGACCAGACTGTGAAGCTCTGGGCCATCTCCTCGGGGACCTGTGCTG
TCTGTCTGTTTGACATGGGCATCACATCTGTGACCATGGACCTGGCCGAGCACCACATATTCTGTGGAG
GCAGCGATGGCTCCATCTCCAGGTGGACCTGTGCAGCTGGCCCGGACTGAGGGAGCACAGCTTCCAGCC
TGAGCAGAACACAGGGAAGGTCTTCAAAGGACACAGGAACCAAGTGACATGCCTGTCAAGTGTCAACAGAC
GGCAGTGTCTGCTCTGCTGCCACGATGAATCAGTGAGGCTGTGGACGTGAAGAGCAAGCAGTGTCT
TGCGCACAGTCACCTCAAAGGCCAGTGACCAATGCAGCCATCATTCTGGCCCCACCCAGCATGCTGAA
CCCTGAATTCAGGCCAGCCTGCCCTGCCCACTTCAACAAGCACCTGTGGGGCTGAGCATGGAGAT
GAAGCCCAGGGTGGGGCCTGCGCTGCAGCTAGGGCTCCACCTGCAGGGCAAAGAGCCTAGCTACCTGG
AGCGTCTGGAGCAGCTGCAGGCAGTGTGTCCAGCTACCTGGAGAAGAACATGCTAGGCAGCCAGATGCT
GCCAGCACGTGTGTTGATCTGGAGGATGAGGTGCGTAGCCTGCGCAAGATCAACAGGGACCTGTTTCGAC
TTCTCCACGCGCATCATCACACGCCCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206868 representing NM_175450
 Red=Cloning site Green=Tags(s)

MAAPMEVVVCTDAAAQLWSCVVWELHSGANLLTYRGGQAGPRGLALLNGEYLLAAQQGKNYICAWELQRK
 DQLQQKIMCPGPVTCLTTAPNGLYVLAGIAESIYLWEVCTGNLLVILSRHYQDVSLKFTGDGSHFVSAG
 KDCLALAWSLCSVLQADPSRILAPRHVWSQHTLPITDLHCGFGGPMARVATASLDQTVKLWAISSGDL
 SVLFDMGITSVTMDLAEHHIFCGGSDGSIFQVDLCSWPGLREHSFQPEQNTGKVFKGHRNQVTCLSVST
 GSVLLSGSHDESURLWDVKSQCLRTVTLKGPVTNAAIILAPPSMLNPEFRPSLPLPHFNKHLGAEHGD
 EAQGGGLRLQLGLHLQGKEPSYLERLEQLQAVLSSYLEKNMLGSQMLPARVFDLEDEVRSRLRKINRDLF
 FSTRIITRPSK

TRTRPLE – GFP Tag – V

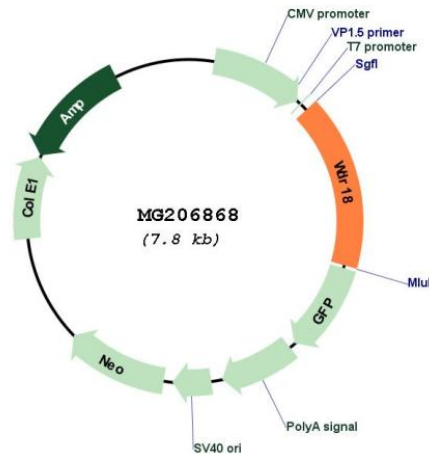
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_175450.4 , NP_780659.2
RefSeq Size:	2955 bp
RefSeq ORF:	1296 bp
Locus ID:	216156
UniProt ID:	Q4VBE8
Cytogenetics:	10 C1
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]