

Product datasheet for **RR207559**

Wdr18 (NM_001039027) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdr18 (NM_001039027) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wdr18
Synonyms: MGC124826
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207559 representing NM_001039027
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGCCCATGGAAGTGGTGGTGTGTACAGACTCCGCGGCACCGCTATGGAGCTGCATGGTGTGGG
AGCTTCATTCGGGCGCCAACCTGCTCACCTATCGAGGCGGCAAGCGGGCCGCGAGGCCTGGCGCTACT
CAATGGCGAGTACCTGCTGGCGGCACAGCAGGGCAAGAATACTCTGCGCTTGGGAGCTGCAGCGCAAG
GACCAGCTTCAACAGAAAATCATGTGTCTGGGCTGTACCTGTCTAACCACGGCACCTAACGGCTTGT
ATGTTCTGGCAGGAATTGCAGAGAGCATTACCTGTGGGAGGTCTCCACGGGAACCTCCTGGTCATCCT
CAGCCGCTCACTACCAGGATGTGTCTGTCGCTGAAGTTCACAGGTGACGGCAGCCACTTTGTCTCTGCAGGC
AAGGACTGCCTGGTGTGGCTTGGAGCCTCTGCAGTGTGTACAGGCAGACCCGTCAGGATCCTTGCCC
CAAGACACGTCTGGTCCCAGCACAGCTCCCAATCACAGACCTGCACTGCGGCTTGGGGGCCCCATGGC
CCGGGTGGCCACCGCTTCACTGGACCAGACCATGAAGCTCTGGGCCATCTCCTCGGGAGACCTGTGCTG
TCTGTCTTGTGACATGGGCATCAGTCTGTGACCATGGACCTGGCCGAACACTACATATTCTGTGGGG
GCAGTGTGGCTCCATCTCCAGGTGGACCTGTGCAGCCGCGCCGAGCCGAGGGAGCAGAGCTTCCAGCC
CGAGCAGAACACAGGGAAGGTTTTCAAAGGACACAGGAACCAAGTGACATGCCTGTGCGGTGTCACAGAC
GGCAGCATCCTGTCTCCGGCTCCCATGACGAGTCACTGCGGCTGTGGGATGTGAAGAGCAAGCAGTGCG
TGCGCACAGTCCCCCTCAAAGGCCAGTGACCAATGCAGCCATCACACTGGCCCCGCCAGCATGCTGAA
CCCTGAGTTCAGGCCAGCCTGCCCTGCCCACTTCAACAAGCACCTGTGGGTGCTGAGCATGGAGAC
GAAGCTCAGGGTGGGGCTGCGCTGCAGCTGGGGCTCCACCTGCAGGGCAAAGAACCTAGCTACCTGG
AGCGCCTGGAGCAGCTGCAGGCCGATTGTCCGGCTATCTGGAGAAGAATGCTAGGCAGCCAGATGCT
GCCCGTGCCTGTGTTGAGCTGGAAGAGGAAGTTCGTAGCCTGCGCAAGATCAACCGGGACCTGTTTGAC
TTCTCCACACGCATCATCACACGCCCTAAG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207559 representing NM_001039027
 Red=Cloning site Green=Tags(s)

MAAPMEVVVCTDSAAPLWSCMVWELHSGANLLTYRGGQAGPRGLALLNGEYLLAAQQGKNYICAWELQRK
 DQLQQKIMCPGPVTCLTTAPNGLYVLAGIAESIYLWEVSTGNLLVILSRHYQDVSLKFTGDGSHFVSAG
 KDCLVLAWSLCSVLQADPSRILAPRHVWSQHTLPITDLHCGFGGPMARVATASLDQTMKLWAISSGDL
 SVLFDMGITSVTMDLAEHYIFCGGSDGSIFQVDLCSRPGPREQSFQPEQNTGKVFKGHRNQVTCLSVSTD
 GSILLSGSHDESURLWDVKSQCVRTVPLKGPVTNAAITLAPPSMLNPEFRPSLPLPHFNKHLGAEHGD
 EAQGGGLRLQLGLHLQGKEPSYLERLEQLQAALSGYLEKNMLGSQMLPVRVFELEEEVRSRKRINRDLFD
 FSTRIITRPSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

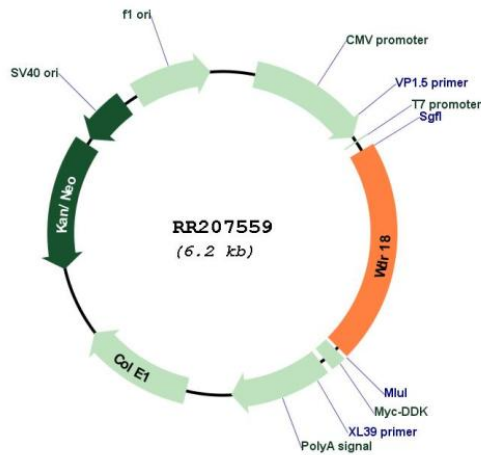
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001039027

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_001039027.1 , NP_001034116.1
RefSeq Size:	1387 bp
RefSeq ORF:	1296 bp
Locus ID:	314617
UniProt ID:	Q499N3
Cytogenetics:	7q11
MW:	47.2 kDa
Gene Summary:	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 (By similarity). Component of the PELP1 complex involved in the nucleolar steps of 28S rRNA maturation and the subsequent nucleoplasmic transit of the pre-60S ribosomal subunit (By similarity). [UniProtKB/Swiss-Prot Function]