

## Product datasheet for **RN207559**

### Wdr18 (NM\_001039027) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr18 (NM_001039027) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wdr18
Synonyms:	MGC124826
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207559 representing NM_001039027 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGCGCCCATGGAAGTGGTGGTGTGTACAGACTCCGCGGCACCGCTATGGAGCTGCATGGTGTGGG  
AGCTTCATTCGGCGCCAACCTGCTCACCTATCGAGGCGCCAAGCGGGCCGCGAGGCCTGGCGCTACT  
CAATGGCGAGTACCTGCTGGCGGCACAGCAGGGCAAGAAGTACATCTGCGCTTGGGAGCTGCAGCGCAAG  
GACCAGCTTCAACAGAAAATCATGTGTCCTGGGCCTGTCACCTGTCTAACCACGGCACCTAACGGCTTGT  
ATGTTCTGGCAGGAATTGCAGAGAGCATTACCTGTGGGAGGTCTCCACGGGAACCTCCTGGTCATCCT  
CAGCCGCTCACTACCAGGATGTGTCGTGCCTGAAGTTCACAGGTGACGGCAGCCACTTTGTCTCTGCAGGC  
AAGGACTGCCTGGTGTGGCTTGGAGCCTCTGCAGTGTGCTACAGGCAGACCCGTCAGGATCCTTGCCC  
CAAGACACGTCTGGTCCCAGCACACGCTCCCAATCACAGACCTGCACTGCGGCTTGGGGCCCCATGGC  
CCGGGTGGCCACCGCTTCACTGGACCAGACCATGAAGCTCTGGGCCATCTCCTCGGGAGACCTGTGCTG  
TCTGTCTTGTGACATGGGCATCACGTCTGTGACCATGGACCTGGCCGAACACTACATATTCTGTGGGG  
GCAGTGTGGCTCCATCTCCAGGTGGACCTGTGCAGCCGGCCCGGACCGAGGGAGCAGAGCTTCCAGCC  
CGAGCAGAACACAGGGAAGGTTTTCAAAGGACACAGGAACCAAGTGACATGCCTGTCCGGTGTCAACAGAC  
GGCAGCATCCTGCTCTCCGGCTCCCATGACGAGTCAAGTGCAGGCTGTGGGATGTGAAGAGCAAGCAGTGCG  
TGCGCACAGTCCCCCTCAAAGGCCAGTGACCAATGCAGCCATCACACTGGCCCCGCCAGCATGCTGAA  
CCCTGAGTTCAGGCCAGCCTGCCCTGCCCACTTCAACAAGCACCTGCTGGGTGCTGAGCATGGAGAC  
GAAGCTCAGGGTGGGGCTGCGCTGCAGCTGGGGCTCCACCTGCAGGGCAAAGAAGCTAGCTACCTGG  
AGCGCCTGGAGCAGCTGCAGGCCGATTGTCCGGCTATCTGGAGAAGAATGCTAGGCAGCCAGATGCT  
GCCCGTGCCTGTGTTGAGCTGGAAGAGGAAGTTCGTAGCCTGCGCAAGATCAACCGGGACCTGTTTGAC  
TTCTCCACACGCATCATCACACGCCCTCTAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAAGTCACTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001039027
<b>Insert Size:</b>	1296 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001039027.1</a></u> , <u><a href="#">NP_001034116.1</a></u>
<b>RefSeq Size:</b>	1387 bp
<b>RefSeq ORF:</b>	1296 bp
<b>Locus ID:</b>	314617
<b>UniProt ID:</b>	<u><a href="#">Q499N3</a></u>
<b>Cytogenetics:</b>	7q11
<b>Gene Summary:</b>	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]