

## Product datasheet for MC211815

### Wdr82 (NM\_029896) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wdr82 (NM\_029896) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Wdr82  
**Synonyms:** 9430077D24Rik; CDW5/WDR82  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211815 representing NM\_029896  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGCTGACCGACAGCGTGCTCCGGAGCTTCCGCGTCGCCAAGGTGTTCCGCGAGAAGCTCAGACAAGA  
TCAACTGCTTTGACTTTAGTCCCAATGGCGAGACGGTCATCTCTAGCAGCGATGATGACTCCATCGTGCT  
CTATGACTGCCAGGAGGGCAAACCAAGAGAACCCTGTACAGTAAGAAGTACGGTGTGGACCTCATCAGA  
TACACCCATGCAGCAACACAGTCGTTTACAGCTCTAACAAAATAGACGATACTATTCGTTACTTGTCTCCT  
TGATGACAATAAATACATCAGATACTTTCCTGGACACAGCAAGAGGGTGGTGGCCTTGCCATGTCAACC  
TGTGGATGACACTTTCATTTCTGGTCTCTTGATAAGACCATTGACTCTGGGATCTCCGGTCTCCCTAAC  
TGCCAGGGCCTCATGCATCTACAGGGCAAACCTGTCTGTTCTTTGATCCAGAAGGGTAAATTTTGCTG  
CGGGCGTCAACTCAGAAATGGTCAAACCTTATGACCTTCGTTCTTTGATAAGGGACCATTTGCAACATT  
TAAGATGCAGTATGATAGGACCTGTGAGTGGACAGGACTTAAGTTCAGCAATGATGGCAAATTTGATACTC  
ATCTCCACCAACGGCAGCTTTATCCGACTGATTGACGCATTCAAGGTGTGGTATGCACACATTTGGGG  
GTTATGCTAACAGCAAAGCTGTGACACTCGAAGCTTCACTTACTCCAGACTCACAGTTTATTATGATCGG  
TTCGGAAGACGGCAAAATCCATGTCTGGAACGGAGAGAGTGGTATAAAAGTGGCTGTATTGGATGGCAAA  
CACACTGGTCCCATTACCTGTTTGAATTAACCCCAAGTTTATGACCTTGGCCAGCGCCTGTTCCAACA  
TGGCCTTCTGGTTGCCACCATTGATGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_029896  
**Insert Size:** 942 bp



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<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>	<a href="#">NM_029896.1</a> , <a href="#">NP_084172.1</a>
<b>RefSeq Size:</b>	4313 bp
<b>RefSeq ORF:</b>	942 bp
<b>Locus ID:</b>	77305
<b>UniProt ID:</b>	<a href="#">Q8BFQ4</a>
<b>Cytogenetics:</b>	9 F1
<b>Gene Summary:</b>	Regulatory component of the SET1 complex implicated in the tethering of this complex to transcriptional start sites of active genes. Facilitates histone H3 'Lys-4' methylation via recruitment of the SETD1A or SETD1B to the 'Ser-5' phosphorylated C-terminal domain (CTD) of RNA polymerase II large subunit (POLR2A). Component of PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase. Possible role in telomere length maintenance and in mRNA processing (By similarity).[UniProtKB/Swiss-Prot Function]