

## Product datasheet for **MC201956**

### **Wdr5 (NM\_080848) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Wdr5 (NM_080848) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr5
Synonyms:	2410008O07Rik; AA408785; AA960360; Big; Big-3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025801 sequence for NM\_080848  
 CCCACGCGTCCGGCGCCGCTGCCGCTAGTCCAGCAGATCGTCTGCTCTCGCGCTAGGGCTAGCCGACG  
 CGACGCCAGAGCGCCCGGCCCGCCGCGGGCCCGGCAGGCCCTTACTATAGAGTTACAGCTGACAGC  
 CTCTTCCATTGTGACTCCCCCTCACGGTGTCTGCCCTGTGGGCTTACAGAGCCATGGCCACAGAGGAGA  
 AGAAGCCAGAGACAGAGGCTGCAAGAGCACAGCCACTCCTTCTCATCAGCCACACAGAGCAAGCCAC  
 ACCAGTTAAGCCAAACTATGCCCTGAAGTTCACCCTGGCTGGCCACACCAAGCTGTGCCTCTGTGAAG  
 TTCAGCCCAATGGGGAATGGTTGGCAAGTTCATCTGCTGATAAACTCATTAAAAATTTGGGGAGCATATG  
 ATGAAAAGTTTGAGAAAATATATCTGGTCACAACTGGGAATATCTGATGTAGCGTGGTATCAGATTC  
 TAACCTCCTTGTGTCTGCCTCTGATGATAAACTTTGAAGATTTGGGACGTGAGTTCGGGAAGTGTCTG  
 AAGACCTGAAGGGCCACAGTAACTACGTCTTCTGCTGCAACTTCAACCCAGTCCAACCTCATCGTCT  
 CAGGGTCTTTTGTGAAAGTGTGAGGATATGGGACGTGAAGACAGGGAAGTGCCTCAAGACTTTGCCTGC  
 CCATTCGGACCCAGTCTCAGCCGTTCAATTCACCCGTGATGGATCATTGATTGTTCCAGTAGCTATGAT  
 GGCCTCTGCCAATCTGGGACACCCGCTCTGGCCAGTGTCTGAAGACACTCATTGATGATGACAATCCTC  
 CAGTGTCTTCGTGAAGTCTCTCCAAATGGCAAATACATCCTGGCTGCAACTTTGGACAACACACTGAA  
 GCTCTGGGACTACAGCAAGGGGAAGTGCCTGAAGACATACACTGGCCACAAGAATGAGAAGTACTGCATA  
 TTTGCCAACTTCTCCGTGACAGGCGGGAAGTGGATTGTGTCTGGTCTGAAGATAACCTGGTGTATATCT  
 GGAATCTGCAGACCAAGGAGATTGTGCAGAAGTTGCAGGGTCACACAGATGTTGTGATTTCCACGGCTTG  
 TCACCCGACAGAGAACATCATTGCCTCAGCAGCGTTAGAGAACGACAAAACAATCAAAGTGTGGAAGAGT  
 GACTGCTAAGTCTGGCTCCATGGGAGACTTAAGGAAGCCACCCGGATTGGCAAGAAACACATGTGGGGC  
 AGAGGCATGGGGCCAGGCTGGTTGACAGGCTGGTGCACCTCCTATCTGAAGATGTCCGGCTCAGGGGAG  
 TGCACACTACCGAGTCTTGATAGCCACTGTGATATTTCTTGCCAATCTGTCTCTGCCTGGGGAAGTTC  
 TGGTCTGTTCTGTGCTCAGAGGCAACAAATTTTTAATTTTTTATTACAAGAGTGAAGTTCAGCTCCTCAT  
 GGGTTGTTTTCTGTGTTGTTGTTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG  
 CCTACTCCCATCCCTGCCTCCTGCCCTGGCCTGCTTGTCAATTTTCTGCCTGTAATAGTACCCAGC  
 GTGCTTCCATGAGTTTCTGAAAACACAGAAAGTTGTAAGTTGTATCCGTGTCAAGTCCCTTTGTTCTTT  
 TGGAGTTCATAGGTCAACACTGACCTCTCAGTGGTTGAAATGTCTCCTTGTCTCACTGGTATCACTCAGT  
 AAGCTACACACTGTAATAAAAGGTGGGTATGGACTGGGTGTGGCCCTGAGTTCTGACCAGGCTCTTTG  
 ACACCTGGCTTTATAAGCCCTCCTCCCTTCTGGCAGGAGTTGGAAAGGTCTCTGGGAGGATGGATCCT  
 TGTGTGCCTCTTCTCCAGTGGCTGCTGTGGGTGCTGAGTGTGGAGAGGAAGAACCTCAGATGAGAA  
 AGAGTGAAGGAAGTCTTGGAAAGGCACCATGTAGTGAGGTTCTGGACCTCTTTATTCTGTGAGAGGCTC  
 AGGGTCACCTGTGCAGGAGGGAGGAGTTCAATATGGTGTGCCCCAGCAGGTACAGCTTCTGCCTTGG  
 CCTCTAAACCCACAAACCTCTTATGTCCTTGGCCCCCGCCAGGTACCCGCTCAGGTGACCAGGA  
 CTGGAAAGAGGTAGTGGCAAGCTCAGGACTACACAGCATTTTCACAACTGCTGTGGCTGAACCCAGGG  
 TGACCTACTGTGGAGCAGACTGCAGAGGTTCTGGGAGTACAGATGGGTGGCGGAGGCTGTGGGCACAGA  
 CATGGGTGAAAGGAGATTCTGGGTTTGTCTGGTTGCAGCAGCAACCATCTGTGAGGCCAACACTGATG  
 TGTATTGAAGCCACATCACCCAGGGCAGTAGCTGCTCTACTCTGCCTTTGCCAAGGCTTGTCCCCAGCTG  
 TGGTCTGACAGCCCTTCTCCCTCCATCGTGCATAATAAGAATCCAAAGGTATTGGAAAAGAAACCCCA  
 TACATTGTCACCTCCTTGAGGGAGATGGTGTGTAATGGGCTATCACATCGAAGAAGCCATTGTTAAGA  
 GGGTGGCTTGTACACTGACATGGGCTCTGGGGCCCTGGCGTCTGTTGGATAGATGAACCTGGGTTCTG  
 GTCATGTTGTGGCATGTTGCTGGGTTTCTGGAGGGTGTAAAGTCTTCCAGCTGTGCCTGGTGTG  
 CGGCTCCTCCTGAGGGAGGAGCTTGCTTGCATGTCGAGCACAGTATCCCCGAGTATAGTTTATTTTT  
 TCTACAGTTGAACTCTGTTGTAGATTTATGAAAAATACATTCTTTTTAAAAATAAAGATTTTCATGC  
 CTTGTAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_080848  
**Insert Size:** 1005 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>	<a href="#">BC025801</a> , <a href="#">AAH25801</a>
<b>RefSeq Size:</b>	2892 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	140858
<b>UniProt ID:</b>	<a href="#">P61965</a>
<b>Cytogenetics:</b>	2 A3
<b>Gene Summary:</b>	Contributes to histone modification. May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4'. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. May regulate osteoblasts differentiation (By similarity).[UniProtKB/Swiss-Prot Function]