

Product datasheet for **MC207638**

Wdr83 (NM_026399) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Wdr83 (NM_026399) Mouse Untagged Clone

Tag: Tag Free

Symbol: Wdr83

Synonyms: 1500041N16Rik; Morg1

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC207638 representing NM_026399
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTTTTCCCGAGCCAAAGCCGCGGGCACCGGAGCTGCCGAGAAACGGATGAAGACGCTGGACTGCA
GCCAGGGCGCGGTGCGAGCCGTGCGATTTAATGTGGACGGCAACTACTGCCTGACGTGCGGCAGCGATAA
AACCTAAAGCTGTGGAACCCGCTGCGTGGGACGCTGCTGCGGACCTACAGTGGCCACGGCTACGAAGTG
CTAGATCGGGCTGGCTCCTTTGATAACAGCCATCTCTGTTCTGGTGGCGGGACAAGACGGTGGTGTCTGT
GGGATGTAGCAACTGGGAGGCTGCTGCGCAAATTCGGGGCCACGCTGGAAGGTGAACACCGTTTCAGTT
TAATGAAGAGGCTACAGTCATCCTGTCTGGTTCTATCGATTCCAGTGTCCGATGTTGGGATTGTCGTTCT
CGGAAGCCTGAGCCGGTGCAAACACTAGATGAAGCTAGAGACGGCATATCCAGTGTAAAGGTGTCAGACC
ATGAGATCTTGGCAGGCTCTGTGGATGGCCGCGTGAGGCGCTATGACCTAAGGATGGGACAGGTCTCCTC
AGACTACGTGGGCAGCCCTATCACCTGCACCTGCTTCAGCCGGGACGGGCAGTGCCTCTGATATCCAGC
CTGGACTCTACTCTGCGGCTTCTAGATAAAGACACAGGGGAGCTGCTGGGCGAGTATGTTGGCCATAAGA
ACCAGCAGTACAAGCTGGACTGCTGCTGAGTGAGCGCGACACACATGTGGTCAGCTGCTCTGAAGACGG
GAAAGTGTTCTTCTGGGACCTGGTAGAGGGTGCCTTGGCACTGGCCCTGCCTGTGGGTTCTAATGTGGTA
CAGTCACTGGCTTACCATCCACGGAACCCTGCCTACTGACTGCCATGGGAGGCAGCATCCAGTACTGGC
GAGAAGAGACCTATGAGGCAGAGGGTGGAGCAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_026399



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Insert Size:	948 bp
OTI Disclaimer:	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).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_026399.2 , NP_080675.2
RefSeq Size:	1238 bp
RefSeq ORF:	948 bp
Locus ID:	67836
UniProt ID:	Q9DAJ4
Cytogenetics:	8 C3
Gene Summary:	Molecular scaffold protein for various multimeric protein complexes. Involved in response to hypoxia by acting as a negative regulator of HIF1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF1A. May act by recruiting signaling complexes to a specific upstream activator (By similarity). Also acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation. May also be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]