

Product datasheet for **MC228167**

Wdr76 (NM_001290986) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr76 (NM_001290986) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr76
Synonyms:	5830411K18Rik; 6030457D09; AA517836
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228167 representing NM_001290986
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGCCTTATCTTCCAAGGCAGATTCCCTTCTGCTGAAATCATCCGTGGATGCTTATACTGAAAGTA
 CCAGGCTGGGACCAAGAGGACCTCGGATTCAGCGACTCTCAGTGTGGACGCGGAAAGCAGCGACGAAGA
 CAGTGCACCAGGCTGGATGATTTTTTCAGGATTGTCACCTTATGAAAGGAAGAGACTGAGGAACATCAGA
 GAAATGCAAACCTTTTTGCTTCCCTTCAGTTAGCTGAGTCGGCTGCACGGCTCCGTGGGATGATAAAGA
 AGCGCGAGTCACTGAGTCAAAGAGAAAGAGGCCCTAAGAAGAAAGAAAATGAAATTGGATGTGAAAGGTC
 CATGCGGTTGTTGAAAGTAGACCCTTTGGGAGTTTCATTACCAGCATCTCCAACACAGCCAACATTAGTA
 GAAGAAGAAGAAAATCCTTTGTTACCTCCTGGACCCTTAGAAATGATTCTGAAAACCAAGATGACAGCA
 GTGAACGTGTGAAAGCATCTTTGAAGACATGGGCAGAGATGAGCCAGACAAGTAATGAGAAGACCAAGAA
 GGGGCTGTCTAGTATTAAGCTATAAAGCCAATTTAAGTGGCATGGTCATCAGTGAGGCTACTGTTTCGT
 AAGGTGACCAAAGGAGCAATCTCCTCCGTGGCCCTCCACCATCAGAAGTGAGAACCTTGGTAGCAGCTG
 GGGCAAGTCTGGACAAATTGGACTTTGGGATTTGACCCAGCAGAGTGAAGATGCGATGTACGTTTTCTA
 TGCTCACAGTCGGTATGTTAGCTGCCTCTCCTTCTCACCCACCAACCCAGCCATCTACTGTCCCTGAGC
 TATGACGGCACACTGCGATGTGGTGATTTTTCCAGCGCTGTGTTGAGGAGGTGTACAGGAATGAGGGAA
 ACAGCCCGTCTCCTTTGACTTCTTGAACGATTCTCCAGTCTGCTAGTGGGACACTGGGATGGACATTT
 GTCAGTGGTAGATAGACGGACACCTGGAACCTTCTATGAGAAGTTTTTAATTCATCTTTGGAAAAATA
 AGAAGTTCATGTCCACCCACTATCCAGACAGTATTTTGTACAGCAGGATTGAGGGACGTTTCATGTTT
 AGATGCCAGTTCCCTGAAGTCCAGGGGAAGCCAGCCTCTGATTTCCCTTGACTGAGCACTGAAAAGCAT
 TGCTCTGCATATTTCTCCCGTTACTGGTAACAGAGTGGTACTACATGTGCTGACTGTAAGCTCAGG
 GTCTTTGACAGCAGCTCCATATCTTCCAGCTTCTCCTCAGTACCATCAGGCAACACTGTCACTG
 GGAGGTGGCTAACGAGGTTCCAGGCTGTGTGGACCCCTAAACAAGAAGATTGCTTCATAGTTGGTAGCAT
 GGACCACCCACGACGGGTGGAAGTCTTCCACGAGTCGGGAAAGAATGTGCATTCTCTTTGGGGAGAATGT
 CTTGTATCTGTGTTCCTCAGTGTGTGCATCTACCGATATATCCTGGCTGGAGGTAATCCAGTG
 GCAAGTTACATGTTTTTATGCATCAAGAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001290986

Insert Size: 1575 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.

RefSeq: [NM_001290986.1](#), [NP_001277915.1](#)

RefSeq Size: 4246 bp

RefSeq ORF: 1575 bp

Locus ID: 241627

UniProt ID: [A6PWY4](#)

Cytogenetics: 2 E5

Gene Summary: Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a).