

Product datasheet for **MR208405**

Wdr76 (NM_030234) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr76 (NM_030234) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr76
Synonyms:	5830411K18Rik; 6030457D09; AA517836
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208405 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCCTTATCTTCCAAGGCAGATTCCCTTCTGCTGAAATCATCCGTGGATGCTTATACTGAAAGTA
 CCAGGCTGGGACCAAGAGGACCTCGGATTCAGCGACTCTCAGTGTGACGCGGAAAGCAGCGACGAAGA
 CAGTGCACCAGGCTGGATGATTTTTTCAGGATTGTCACCTTATGAAAGGAAGAGACTGAGGAACATCAGA
 GAAATGCAAACCTTTTTGCTTCCCTTCAGTTAGCTGAGTCGGCTGCACGGCTCCGTGGGATGATAAAGA
 AGCGCGAGTCACTGAGTCAAAGAGAAAGAGGCCCTAAGAAGAAAGAAAATGAAATTGGATGTGAAAGGTC
 CATGCGGTTGTTGAAAGTAGACCCTTTGGGAGTTTCATTACCAGCATCTCCAACACAGCCAACATTAGTA
 GAAGAAGAAGAAAATCCTTTGTTACCTCCTGGACCCTTAGAAATGATTCTGAAAACCAAGATGACAGCA
 GTGAACGTGTGAAAGCATCTTTGAAGACATGGGCAGAGATGAGCCAGACAAGTAATGAGAAGACCAAGAA
 GGGGCTGTCTAGTATTAAGCTATAAAGCCAATTTAAGTGGCATGGTCATCAGTGAGGCTACTGTTTCGT
 AAGGTGACCAAAGGAGCAATCTCCTCCGTGGCCCTCCACCATCAGAAGTGAGAACCTTGGTAGCAGCTG
 GGGCAAGTCTGGACAAATTGGACTTTGGGATTTGACCCAGCAGAGTGAAGATGGATGTACGTTTTCTA
 TGCTCACAGTCGGTATGTTAGCTGCCTCTCCTTCTCACCACCAACCCAGCCATCTACTGTCCCTGAGC
 TATGACGGCACACTGCGATGTGGTGATTTTTCCAGCGCTGTGTTGAGGAGGTGTACAGGAATGAGGGAA
 ACAGCCCGTCTCCTTTGACTTCTTGAACGATTCTCCAGTCTGCTAGTGGGACACTGGGATGGACATTT
 GTCAGTGGTAGATAGACGGACACCTGGAACCTTCTATGAGAAGTTTTTAATTCATCTTTGGAAAAATA
 AGAAGTTCATGTCCACCCACTATCCAGACAGTATTTTGTACAGCAGGATTGAGGGACGTTTCATGTTT
 ACGATGCCAGGTTCCCTGAAGTCCAGGGGAAGCCAGCCTCTGATTTCCCTGACTGAGCAGTCAAAGCAT
 TGCTCTGCATATTTCTCCCGTTACTGGTAACAGAGTGGTACTACATGTGCTGACTGTAAGCTCAGG
 GTCTTTGACAGCAGCTCCATATCTTCCAGCTTCTCCTCAGTACCATCAGGCAACACTGTCACTG
 GGAGGTGGCTAACGAGGTTCCAGGCTGTGTGGACCCTAAACAAGAAGATTGCTTCATAGTTGGTAGCAT
 GGACCACCACGACGGGTGGAAGTCTTCCAGGAGTCGGAAAGAATGTGCATTCTTTGGGGAGAATGT
 CTTGTATCTGTGTTCCTCAGTGTGTGCATCTACCGATATATCCTGGCTGGAGGTAATCCAGTG
 GCAAGTTACATGTTTTATGCATCAAGAAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208405 protein sequence
 Red=Cloning site Green=Tags(s)

MKALSSKADSLLLKSSVDAYTESTRLGPKRTSDSATLSVDAESSDEDSAPGLDDFSGLSPIYERKRLRNIR
 ENANFFASLQLAESAAARLRGMIKKRESPEKSRKRPKKKENEIGCRRSMRLLKVDPLGVSLPASPTQPTLV
 EEEENPLLPPGPLEMIPENQDDSELLKASLKTWAEMSQTSNEKTKKGLSSIKSYKANLSGMVISEATVR
 KVTKGAISSVALHPSEVRTLVAAGAKSGQIGLWDLTQQSEDAMYVFYAHSRVVSLSFSPTNPAHLLSLS
 YDGTLCRGDFSSAVFEEVYRNEGNPSSFDLNDSSLLVGHWDGHLSLVDRRTPGTSYKFFNSSLLEKI
 RTVHVHPLSRQYFVTAGLRDVHVYDARFLKSRGSQPLISLTHEKSIASAYFSPVTGNRVVTTCADCKLR
 VFDSSSISQLPLLSTIRHNTVTGRWLTRFQAVWDPKQEDCFIVGSMDHPRRVEVFHESGKNVHSLWGEC
 LVSVCSLSAVHPTRYILAGGNSSGKLVHFMHQET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_030234

ORF Size: 1575 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_030234.2](#), [NP_084510.2](#)

RefSeq Size: 4294 bp

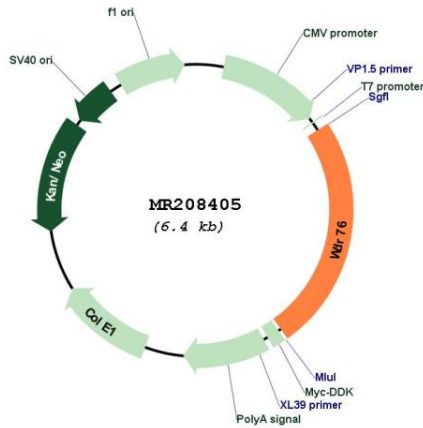
RefSeq ORF: 1575 bp

Locus ID: 241627

UniProt ID: [A6PWY4](#)

Cytogenetics: 2 E5
 MW: 58 kDa
 Gene Summary: Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208405