

Product datasheet for **MR205136**

Wdr77 (NM_027432) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr77 (NM_027432) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr77
Synonyms:	2610003I18Rik; 2610312E17Rik; C79984; p44/MEP50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205136 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGAAGGACACCCCTCCTCCGCTCGTGCCCGCGGCCCGCGAGTGGAACTGCCCCCAATGCGC
CCGCATGCATGGAACGTCAATTGGAGGCTGCACGGTACCGGTCTGATGGTTCCCTTCTGCTCGGGGTCTC
CAGCCTGAGTGGTCGCTGCTGGGTAGGTTCTCTGTGGTTTTCAAGGATCCTAGTGCGGCCCAACGAA
GGTTTCTGCTCTGCTGGCGTCCAGACCGAGGCTGGAGTAGCTGACCTCACTTGGGTGGGGACAAAGGTA
TCCTAGTGGCTTCTGATTCAAGTGTGTTGAATTGTGGGAGCTAGATGAGAACGAGACACTTATAGTCAG
CAAGTTCTGCAAGTATGAGCATGATGACATTGTGTCTACTGTCACTGTCCCTGAGCTCTGGCACACAAGCT
GTCAGTGGTAGCAAAGACTGCTGCATCAAAATTTGGGACCTGGCTCAGCAGGTATCACTGAATTCATACC
GAGCTCACGCTGGACAGGTTACCTGTGTTGCTGCCTCTCCCCACAAGACTCTGTGTTTCTTTCATGTAG
TGAGGACAGTAGAATTTGCTCTGGGATACCCGCTGTCCCAAGCCGGCATCACAGATGGCCTGCAATGCC
TCTGGCTACCTCCCTACCGCTTTGGCTTGGCATCCTCAGCAGAGTGAAGTCTTTGTTTTGGTGACGAGA
ATGGATCTGTCTCCCTTGTGGACACCAAGAATGCAAGCTGTACCTCAGCTCAGCTGTGCACTCCCAGGG
TGCTACTAGACTGGTATTCTCCCCACACAGTGTCCCCCTCCTGACTTCTCTCAGTGAAGACTGTTCACTT
GCTGTGCTGGATTCAAGCCTTTCTGAGGTGTTTGAAGTCGAGCCACAGAGACTTGTGAGAGATGCTA
CGTGGTCTCCACTCAATCACTCCCTTCTTACCACAGTTGGCTGGGACCATCAGGTATCCACCATGTTGT
GCCCTTAGAGCCTCTCCAAACCCTGGACCTGACAGTGTGTTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_027432.3](#), [NP_081708.1](#)

RefSeq Size: 3553 bp

RefSeq ORF: 1029 bp

Locus ID: 70465

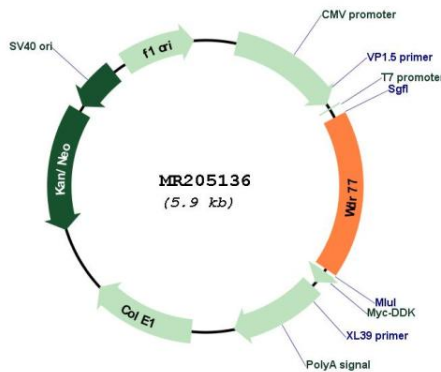
UniProt ID: [Q99J09](#)

Cytogenetics: 3 F2.2

MW: 36.9 kDa

Gene Summary: Non-catalytic component of the methylosome complex, composed of PRMT5, WDR77 and CLNS1A, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins and histones. This modification targets Sm proteins to the survival of motor neurons (SMN) complex for assembly into small nuclear ribonucleoprotein core particles. Might play a role in transcription regulation. The methylosome complex also methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage (PubMed:19584108).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205136