

Product datasheet for MR203979

Rwdd2b (NM_016924) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rwdd2b (NM_016924) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rwdd2b
Synonyms:	ORF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203979 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTTGAGATGGAGCAGGCTGAGGCCAGCTCTCCGAGTTGGACCTCCTGGCCAGTATGTTCCCCAGTG
AGAATGAGCTCATAGTGAATGACCAGCTGGCATTGGCGGAGCTGAAAGATTGATTGAGAAGAGGACAAT
GGAGGGGCGATCATCGCAAGTGTACTTTACGATCAATGTGAGCCTGGACCTCTGAGGCAGCAGTGGTG
ACGTTTTCTTTGTCTTGCACTTCCCTTTAAATATCCTACAGTCCTGCCGAAATTACAGTGAGATCAG
TATCGCTGAGTAGATCCCAGCAGACTCAGCTGAACACAGATCTGATAGCATACCTGCAGAAGAAGTGTCT
TGGAGATGTCTGTATCCTGAATGCCACAGAGTGGGTTAAAGAGCATGCCTTTGACTATGTCAACATAGAA
GCTTTGCCCTCCCCGCCAGGCAAAGCACAGCCAGCCAGAGGATCTCGCTTTCACGAGGCTCTGGATCT
ACAGCCATCACATCTACAACAAGTGCAAAAAGAAGAAACATCCTAGAGTGGGCAAAGGAATTGTCCCTGAC
TGGGTTTAGCATGCCTGGGAAACCTGGTGTGTTGTGTGGAAGGCCCGCAAAGTCTTGTGAGGAATTC
TGGTCAAGACTCAGAAAATAACTGGAAGAGGATTTTAAATTCGTCATCGAGAAGACATTCCTCTTGACG
GTACAGCCGGCGGAATGGAAGGACAGCGGAAATTTCCATTCTTGAAGAAAAGGCCTTCAGTGTCCACGG
AGCCAGAGGAAACCACATGGACTTTGGCCAGCTGTATCAGTCTTAAATGCCAGGGGATGTGGGGATGTT
TCCAGATGTTCTTTGGTGTAGAAGGACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203979 protein sequence
Red=Cloning site Green=Tags(s)

MVEMEQAEAQLSELDLLASMFPSENELIVNDQLALAEKDCIEKRTMEGRSSQVYFTINVSLDLSEAAV
 TFSLSCLIPFKYPTVLPETVRSVLSRSQQTQLNTDLIAYLQKNCLGDVCILNATEWVKEHAFDYVNIE
 ALPSPARQSTAQPEDLAFTRLWIYSHHIYNKCKRRNILEWAKELSLTGF SMPGKPGVVCVEGPQSACEEF
 WSRLRKLNWKRILIRHREDIPLDGTAGGMEGQRKFPPILEEKAFSVHGARGNHMDFGQLYQFLNARGCGDV
 FQMFFGVEGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_016924

ORF Size: 873 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_016924.2](#), [NP_058620.2](#)

RefSeq Size: 2104 bp

RefSeq ORF: 873 bp

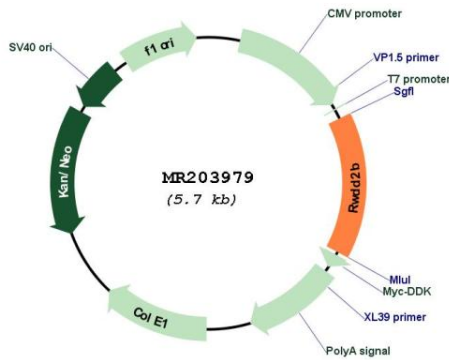
Locus ID: 53858

UniProt ID: [Q99M03](#)

Cytogenetics: 16 C3.3

MW: 32.9 kDa

Product images:



Circular map for MR203979