

## Product datasheet for **MR200183**

### Wfdc12 (NM\_138684) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wfdc12 (NM\_138684) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Wfdc12  
**Synonyms:** Swam2; WAP2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200183 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCCAAACAGTATCTTGGTCCTCATGACGCTCCTTATTTCTCTACTCTGGTAACGGGAGGTGGAG  
TCAAAGGCGAGGAGAAAAGAGTTTGCCCGCCGACTACGTCGGTGCATCAGGCAAGATGATCCCCAGTG  
TTACAGTGACAACTGACTGTGGAGATCAGGAGATATGCTGCTTCTGGCAATGTGGCTTCAAATGCGTGCTG  
CCGGTGAAGACAACAGTGAAGAACAGATCCCTCAGAGTAAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200183 protein sequence  
Red=Cloning site Green=Tags(s)  
MWPNSILVLMTLISSTLVTGGVKGEEKRVCPDYVRCIRQDDPQCYSNDNCGDQEICCFWQCQGFKCVL  
PVKDNSEEQIPQSKV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_138684

**ORF Size:** 258 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\\_138684.2](#), [NP\\_619625.1](#)

**RefSeq Size:** 800 bp

**RefSeq ORF:** 258 bp

Locus ID: 192200

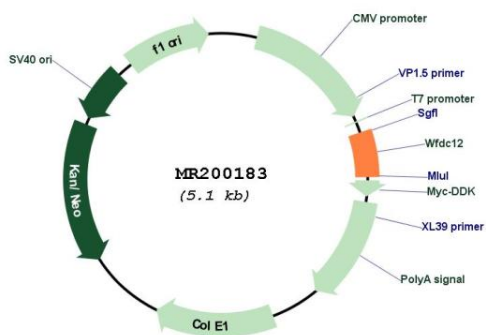
UniProt ID: [Q9JHY3](#)

Cytogenetics: 2 H3

MW: 9.6 kDa

Gene Summary: Antibacterial protein which inhibits the growth of E.coli and S.aureus. Putative acid-stable proteinase inhibitor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200183