

## Product datasheet for MR205156

### Mrgprf (NM\_145379) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mrgprf (NM_145379) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrgprf
Synonyms:	BC019711; Mgrc; MrgF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205156 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCGGAAACTGTTCATGGGAAGCTCACTCCACCAACCAGAACAAGATGTGTCCTGGTATGAGCGAGG  
CTCGGGAGCTCTACAGCAGAGGATTTCTGACCATTGAGCAGATTGCTACGCTCCCTCCGCCAGCTGTCAC  
AAACTACATCTTCTGCTGCTTTGCCTGTGTGGCCTGGTGGGAAACGGGCTGGTCTCTGGTTTTTCGGC  
TTCTCCATCAAGAGGACCCCTTCTCCATCTACTTCTGCACCTGGCCAGCGCCGATGGGATGTACCTCT  
TCAGCAAGGCCGTGATTGCTCTCTGAACATGGGGACCTTCTGGGCTCCTTCCCGACTACATTGGAAG  
AGTGTCCCGGATCGTGGGCTCTGCACATTCTTACAGGTGTGAGCCTCCTGCCAGCCATTAGCATCGAA  
CGCTGTGTGTCTGTCATCTTCCACCTGGTACTGGCGTCGGAGGCCAAGCGCCTGTACGCTGGGGTCT  
GTGCCCTGCTCTGGATGCTATCATTCTGGTTACCAGTATCCACAATTACTTCTGTATGTTCTGGGCCA  
CGAGGCCCTGGTACAGTCTGCCGCAACATGGACATCGCCCTGGGCATCTTGCTGTTCTTCTCTTCTGC  
CCACTCATGGTACTTCCCTGCCTGGCGCTCATCTGCAGTAGAGTGCCGAGCACGGCGCCGCAACGCT  
CTGCCAAGCTCAATCACGTGGTCTTCCAGATCCCAGCCCCCTTCCCGAGTACGTCAGTACTTGTGTATC  
TGCATCAACAGCAGTGCCAAACCCATCGTCTACTTCTGGCTGGGAGAGACAAGTACAGCGCCTGTGGG  
AACCTCTCAGGGTGGTCTTCCAGCGGGCTCTCCGGGATGGTGGGAGCCGGGGACGCTGCTAGCAGCAC  
ACCCAACACGGTCAACATGGAATGCAGTGCCCTCTGGGAACGCATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205156 protein sequence  
Red=Cloning site Green=Tags(s)

MAGNCSWEAHSTNQNKMCPGMSEARELYSRGFLTIEQIATLPPPAVTNYIFLLLCLCGLVGNGLVLWFFG  
 FSIKRTPFISIYFLHLASADGMYLFSKAVIALLNMGTFGLGSPDYIRRVSRIVGLCTFFTGVSLLPAISIE  
 RCVSVIFPTWYRRRPRKRLSAGVCALLWMLSFLVTSIHNYFCMFLGHEAPGTVCRNMDIALGILLFFLFC  
 PLMVLPLCALILHVECRARRRQRSAKLNHVVLAIYSVFLVSSIYLGIDWFLFWVFQIPAPFPEYVTDLCI  
 CINS SAKPIVYFLAGRDKSQLWEPLRVVFQRALRDGAEPGDAASSTPNTVTMEMQCPSPGNAS

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\_145379

**ORF Size:** 1032 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\\_145379.1](#)

**RefSeq Size:** 2006 bp

**RefSeq ORF:** 1032 bp

**Locus ID:** 211577

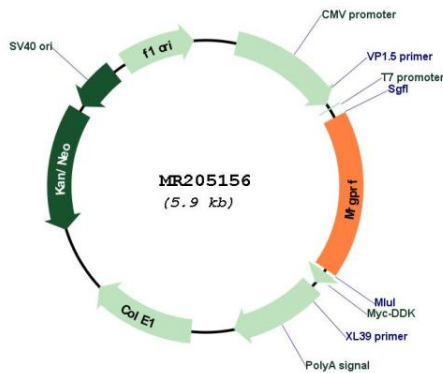
**UniProt ID:** [Q8VCI6](#)

**Cytogenetics:** 7 F5

**MW:** 38.5 kDa

**Gene Summary:** Orphan receptor. May bind to a neuropeptide and may regulate nociceptor function and/or development, including the sensation or modulation of pain.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205156