

Product datasheet for **RR213822**

Pgrmc2 (NM_001008374) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pgrmc2 (NM_001008374) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pgrmc2
 Synonyms: MGC93874
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR213822 representing NM_001008374
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGGGTATGGGGACGTAAAGCTAAGCACCTGGGGAGCGGGGAGCGTGCGGGCGACGGGA
 GCCCGGGTGGCGGGAGCGACGGCAGCGAGGAGCAGTTGGGTGGCAGCGCTGCTGGCGACGGCGGGGA
 GATGCTGCTGAACGTGGCGCTGGTGGCGCTGGTCTGCTGGGGCCCTACCGGCTGTGGGTGCGCTGGGG
 CGGCGTGGTCTATGCTCGGGACCGGGCGGGCGAGGAGAGCCCGCCGACGCTGCCGCGATGAAGA
 AGCGGGACTTCAGCCTGGAGCAGCTGCGCCAGTACGACGGGGCGCGCACCGCGCATCCTGCTCGCGGT
 CAATGGGAAAGTCTTCGACGTGACCAAAGGCAGCAAGTTCTACGGCCCGCGGGCCCATATGGCATCTTT
 GCTGGCAGGGACGCTCCAGGGACTGGCGACCTTCTGCCTGGATAAGGATGCACTTAGAGATGAGTACG
 ATGACCTCTCAGATTTGAACGCAGTGCAGATGGAGAGCGTTTCGAGAGTGGGAAATGCAGTTTAAAGAAA
 ATATGATTATGTAGGCAGACTCCTAAAGCCAGGGGAAGAGCCATCAGAGTACACAGACGAGGAGGACACC
 AAGGATCACAGTAAACAGGAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213822 representing NM_001008374
Red=Cloning site Green=Tags(s)

MAAGDGDVKLSTLGSNGERGGDGGSPGGAGATAARSSWVAALLATGGEMLLNVALVALVLLGAYRLWVRWG
 RRGLCSGPGAGEESPAATLPRMKKRDLSLEQLRQYDGGARTPRILLAVNGKVFVDTKGSKFYGPAGPYGIF
 AGRDASRGLATFCLDKDALRDEYDDLSDLNAVQMESVREWEMQFKEKYDYVGRLLKPGEEPSEYTDDEEDT
 KDHSKQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001008374

ORF Size: 651 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_001008374.1](#), [NP_001008375.1](#)

RefSeq Size: 1974 bp

RefSeq ORF: 654 bp

Locus ID: 361940

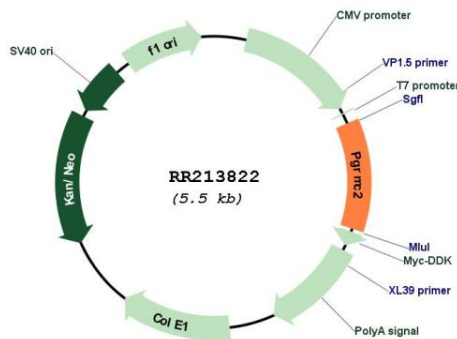
UniProt ID: [Q5XIU9](#)

Cytogenetics: 2q25

MW: 23.4 kDa

Gene Summary: Receptor for steroids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR213822