

Product datasheet for MC214872

Mrgprx1 (NM_207540) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mrgprx1 (NM_207540) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Mrgprx1
 Synonyms: MrgC11; Mrgprc11
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC214872 representing NM_207540
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCCAACCATCTCATCCCACGACACAGAATCTACACCACTGAATGAACTGGTCATCCCACTGCA
 CTCCAATCCTGACCCTGCCTTCTGGTCTCATCACTACCCTGGTTGGACTGGCAGGAAACACCATTGT
 ACTCTGGCTCCTCGGATCCGCATGCGCAGGAAAGCCATCTCAGTCTATATCCTCAACCTGGCTCTGGCA
 GACTCCTTCTTCCTCTGCTGTCACCTTCATTGACTCTCTGCTACGGATCATTGACTTCTATGGCCTCTATG
 CCCATAAATTAAGCAAAGATATCTTAGGCAATGCAGCAATCATCCCTATATCTCAGGCCTGAGCATCCT
 CAGTGCTATTAGCACAGAGCGCTGCCTGTGTGATTGTGGCCAATCTGGTACCACTGCCATCGCCCAAGA
 AACATGTCAGCTATCATATGTGCCCTAATCTGGGTTCTGTCTTTCTCATGGGCATCCTCGATTGGTTCT
 CAGGATTCCTGGGTGAGACTCATCATATTTGTGGAAAAATGTTGACTTTATTATAACTGCATTTCTGAT
 ATTTTTATTTATGCTTCTCTCTGGGTCCAGTCTGGCCCTACTGCTGAGGATTCTCTGTGGTCCCAGGAGG
 AAACCCCTGTCCAGGCTGTATGTTACCATCGCTCTCACAGTGATGGTCTACCTCATCTGTGGCCTGCCTC
 TTGGGCTTACTTGTTCCTGTTACTGGTTTGGGGTTCATTTACATTATCCCTTTTGTACATTTACCA
 AGTTACTGCTGTCTTGTCTGTGTAACAGCTCTGCCAACCCCATCATTTATTTCCCTTGTAGGCTCCTTT
 AGGCAGCATAGAAAGCATAGGTCCTGAAAAGAGTTCTTAAGAGGGCTCTGGAGGACACTCTGAGGAGG
 ATGAATATACAGACAGCCATCTTCATAAAACCACCGAGATTTAGAAAAGCAGATAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_207540
 Insert Size: 969 bp



[View online »](#)

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_207540.3](#), [NP_997423.1](#)

RefSeq Size: 1180 bp

RefSeq ORF: 969 bp

Locus ID: 404242

UniProt ID: [Q8CIP3](#)

Cytogenetics: 7 B4

Gene Summary: Orphan receptor activated by neuropeptides terminating in Arg-Phe or Arg-Phe-amide. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. May regulate the function of nociceptive neurons by modulation of pain perception.[UniProtKB/Swiss-Prot Function]