

## Product datasheet for **MC213182**

### Mrgprx2 (NM\_001034868) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mrgprx2 (NM_001034868) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrgprx2
Synonyms:	G370024M05Rik; MrgB10; Mrgprb10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001034868, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGAAAGAAACATCAGTGGGAGGGATCTAAGAGTGGATTCAACATAACATACTGGGGAACAAACA
TCACAGCTGTGAATGAAAGCAACCACTAGGAAATGTCATTTTGTGAAGTCGTGTCTGTACCATGGTTTT
TCTTTCCCTCATTGTTGCCCTAGTTGGGCTGGTTGGAAATGCCACAGTGTGTGGTTCTGGGCTCCAG
ATGCGCAGGAATGCATTCTCTGTTTACATCCTCAACCTCGCTGGTGTGACTTTCTTCATTTGCTTTC
AAATTGGATATTGTTTTACATGATCTTGGACATTGATCCATCCCCATTGAAATTGATCTGTTTTACCT
TGTTGTGTAAACTTTCCTTATTTTTGTGGCCTGAGTATCCTCAGTGTCTATTAGCATTGAACGTTGCTG
TCTGTCATGTGGCCCATTTGGTATCACTGCCAACGCCAAGGCACACATCAGCTGTCATATGTACCCTGC
TTTGGGCTTGTCCCTAGTGTGTAGCCTCCTGGAAGGGAAGGAATGTGGCTTCTATATTACACTAGTGA
CCCTGGTTGGTGAAGACATTTGATTTAATCACTGCTACATGGTTAATTGTTTTATTTGTAGCTCTCTTG
GGATCCAGTCTGGCCTTAGTGATTACCATCTTCTGGGCTTACACAAGATTCTGTGACCAGGCTGTATG
TGGCCATTGTGTTACAGTGTCTTGTCTTGGTCTGCCCTATGGGATCTACTGGTTCCTCTT
AGTGTGGATTGAGAAATTTATTATGTTTTACCTTGTAGTATATATCCGGTCACAGTATTTCTCTCTGT
GTTAACAGCTCTGAAAACCCATCATTTATTGCCTTGTAGGCTCCATTAGGCATCATCGATTTCAACGGA
AGACTCTCAAGCTATTTCTGCAGAGAGCCATGCAAGACTCCTGAGGAGGAAGAATGTGGAGAGATGGG
TTCCTCAGGAAGATCTAGAGAAATAAAAACAATCTGAAAAGGACTGAGAGCTGCTTTGATCAGGCATAAA
GAGCTCTGA

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001034868
Insert Size:	1059 bp



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**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](mailto: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:** [BC141225](#), [AAI41226](#)

**RefSeq Size:** 3513 bp

**RefSeq ORF:** 1059 bp

**Locus ID:** 243978

**UniProt ID:** [Q3UG50](#)

**Cytogenetics:** 7 B4

**Gene Summary:** Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain (By similarity).[UniProtKB/Swiss-Prot Function]