

## Product datasheet for **MC212966**

### Mrgpra3 (NM\_153067) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mrgpra3 (NM_153067) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrgpra3
Synonyms:	Mrga3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212966 representing NM_153067 <b>Red</b> =Cloning site <b>Blue</b> =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGAAAGCAACACCAGTGCAGGGTTTCTGGCCGAAACACCTCAGCCTCGACAATGACACCCACAA  
CAACAAATTCAATGAACGAAACCATCCCTGGAAGTATTGACATCGAGACCCTGATCCAGACTTGATGAT  
CATCATCTTCGGACTGGTCGGGCTGACAGGAAATGCGATTGTGTTCTGGCTCCTGGCTCCGCATGCAC  
AGGACTGCCTTCTAGTCTACATCCTAACTTGGCCCTGGCTGACTTCCTCTTCTCTCTGTCACATCA  
TAAATTCACAGTGGATCTTCTCAAGTTTACCCTACCCAAAGGAATTTTGCCTTTGTTTTCACACTAT  
CAAAGGGTTCTCTATATCACAGGCTGAGCATGCTCAGTGCCATCAGCACTGAGCGCTGCCTGTCTGTC  
CTGTGCCCATCTGGTATCACTGCCGCCGCCAGAACACACATCAACTGTCATGTGTGTGTGATCTGGG  
TCCTGTCCCTGTTGATCTGCATTCTGGATGGTTATTTCTGCGGTTACTTAGATAACCATTATTTCAATTA  
CTCTGTGTGTCAGGCATGGGACATCTTTATCGGAGCATACCTGATGTTTTGTTGTAGTCTGTCTGTG  
TCCACCCTGGCTCTACTGGCCAGGTTGTTCTGTGGTGCTAGGAATATGAAATTTACCAGATTATTCGTGA  
CCATCATGCTGACCGTTTTGGTTTTCTCTCTGTGGGTGCCCTGGGCATCACCTGGTTCCTGTTATT  
CTGGATTGCACCTGGTGTGTTGTAAGTATTAGCCCTCTTCTGGTCCAACTGCTATTAACAGCTGT  
GCCAACCCATTATTTACTTCTCGTGGGCTCCTCAGGCAACGGTTGAATAAACAGACCCTCAAATGG  
TTCTCCAGAAAGCCCTGCAGGACTCCTGAGACACCTGAAACATGGTGGAGATGTCAAGAAACAAAGC  
AGAGCCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2256\\_d01.zip](https://cdn.origene.com/chromatograms/ja2256_d01.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_153067
<b>Insert Size:</b>	990 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_153067.2</a> , <a href="#">NP_694707.2</a>
<b>RefSeq Size:</b>	1295 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	233222
<b>UniProt ID:</b>	<a href="#">Q91WW3</a>
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	Orphan receptor. May be a receptor for RFamide-family neuropeptides such as NPFF and NPAF, which are analgesic in vivo. May regulate nociceptor function and/or development, including the sensation or modulation of pain (By similarity). Activated by the antimalarial drug chloroquine. Mediates chloroquine-induced itch, in a histamine-independent manner. [UniProtKB/Swiss-Prot Function]