

Product datasheet for MR222931

Mrgpra1 (NM_153095) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mrgpra1 (NM_153095) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Mrgpra1
 Synonyms: MrgA1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR222931 representing NM_153095
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGAAAGCAGCACCTGTGCAGGTTTCTAGCCCTAAACACATCGGCCTCGCCAACAGCACCCACAA
 CAACTAATCCAATGGACAATACCATCCCTGGAGGTATCAACATCACGATTCTGATCCAAACTTGATGAT
 CATCATCTTCGGACTGGTCGGGCTGACAGGAAATGGCATTGTGTTCTGGCTCCTGGGCTTCTGTTTGCAC
 AGGAACGCCTTCTCAGTCTACATCCTAACTTAGCTCTAGCTGACTTCTTCTCCTCCTAGGTACATCA
 TAGATTCCATACTGCTTCTTCTCAATGTTTTCTACCCAATTACCTTTCTTGTGCTTTTACACGATCAT
 GATGGTTCTATATCGCAGGCCTGAGCATGCTCAGTGCCATCAGCACTGAGCGCTGCCTGTCTGTACTG
 TGCCCCATCTGGTATCACTGTCACCGCCGAGAACACATCAACTGTCATGTGTGCTGTCATCTGGGTCC
 TGTCCCTGTTGATCTGCATTCTGAATAGTTATTTCTGCGGTTTCTTAAATACCCAATATAAAAATGAAAA
 TGGGTGCTGGCATTGAGCTTCTTACTGCTGCATACCTGATGTTTTGTTTGGTCTCTGTCTGTCC
 AGCCTGGCTCTGGTGGCCAGGTTGTTCTGTGGTACTGGGCAGATAAAGCTTACCAGATTGTATGTAACCA
 TTATTCTGAGCATTGTTGTTTTCTCCTTTGCGGATTGCCCTTGGCATCCAAGTTCTGTTATTCAA
 GATTAAGGATGATTTTCATGATTTGATCTTGGATTTATCTGGCATCAGTTGCTCCTGACTGCTATTAAT
 AGCTGTGCAACCCCATCATTTACTTCTTCGTGGGATCCTTCAGGCATCGGTTGAAGCACCAGACCCTCA
 AAATGGTTCTCCAGAATGCACTGCAAGACACTCCTGAGACAGCCAAAATCATGGTGGAGATGTCAAGAAG
 CAAATCAGAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR222931 representing NM_153095
Red=Cloning site Green=Tags(s)

MGESSTCAGFLALNTSASPTAPTTTNPMDNTIPGGINITILIPNLMIIIFGLVGLTGNGIVFWLLGFCLH
 RNAFSVYILNLALADFFLLGHIIDSILLLLNVFYPITFLLCFYTIMMVLVIAGLSMLSAISTERCLSVL
 CPIWYHCHRPEHTSTMCAVIWVLSLLICILNSYFCGLFNTQYKNENGCLALSFFTAAYLMFLFVVLCLS
 SLALVARLFCGTGQIKLTRLVYTIILSILVFLLCGLPFGIHWFLFKIKDDFHVFDLGFYLASVVLTAIN
 SCANPIIYFFVGSFRHRLKHQTLKMLVQNALQDTPETAKIMVEMSRKSEPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9064_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153095

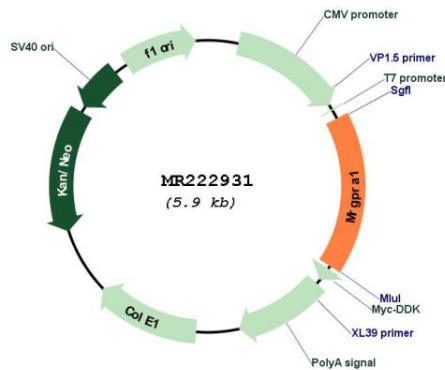
ORF Size: 993 bp

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](#)

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:	<ol style="list-style-type: none"> 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_153095.2 , NP_694735.2
RefSeq Size:	1088 bp
RefSeq ORF:	996 bp
Locus ID:	233221
UniProt ID:	Q91WW5
Cytogenetics:	7 B3
MW:	37 kDa
Gene Summary:	Orphan receptor activated by a subset of RFamide-family neuropeptides such as FLRF-amide and FMRF-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]

Product images:



Circular map for MR222931