

Product datasheet for **RC228222**

MRGPRG (NM_001164377) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	MRGPRG
Synonyms:	GPRI69; MRGG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228222 representing NM_001164377
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTGGGCTGTTTCGGCCTCTGGAGAACCTTCGACAGTGTGGTCTTCTACCTGACGCTGATCGTGGGCC
TCGGGGGACCGGTAGGTAACGGGCTGGTGTCTTGAACCTCGGCTTCCGCATCAAGAAGGGCCCTTCTC
CATCTACCTGCTGCACCTGGCCGCCGCGACTTCTGTTCTCTCCTGCCGTGTGGGCTTCTCCGTGGCT
CAGGCTGCCCTGGCGCCCGAGGACACTCTACTTCGTGCTCACCTTCTGTGGTTCGCGGTGGGGCTCT
GGCTGCTGGCGGCTTACGCTGGAGCGCTGCCTCTCCGACCTTCTCCCGCCTGCTACCGGGCTGCCG
GCCCAGACACGCTCGGCCGTCTCTGCGCCCTGGTGTGGACCCCGACCTGCCGGCCGTGCCGCTGCC
GCCAACGCTGCGGCTGCTGCGCAACAGCGCTGCCCTGGTGTGCCCGCGCTACCGGTGCCAGCG
TCACCTGGTTCCTGGTGTGGCCGCGCTGCGCTGGACGGCTGGCGTGGTCTTGTCTGGGTGACCTG
CTGCTCCACTCGCCCGCGGCCAGGCTCTACGGCATCGTCTGGGCGCGCTGCTCCTGCTCTTCTGTGT
GGCCTGCCCTCGGTCTTCTACTGGAGCCTGCAGCCCTGCTGAACCTTCTGCTGCCCGTGTTCCTCCCGC
TGGCCACGCTGCTGGCCTGCGTCAACAGCAGCTCCAAGCCCTCATCTACTCGGGGTGGGCGGACAGCC
CGGGAAGCGGGAGCCGCTGAGGTGGTACTGCGGAGGGCCCTGGGGGAGGGCGCGGAGCTGGGTGCCAGG
GGACAGTCCCTGCCCATGGGTCTCTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC228222 representing NM_001164377

Red=Cloning site Green=Tags(s)

MFGLFGLWRTFDSVVFYLTIVGLGGPVGNGLVLWNLGFRIKKGPFISIYLLHLAAADFLFLSCRVGFSVA
QAALGAQDTLYFVLTFLWFAVGLWLLAAFSVERCLSDLFPACYQGCRPRHASAVLCALVWPTPLPAVPLP
ANACGLLRNSACPLVCPRYHVASVTWFLVLARVAWTAGVVLFWVTCCSTRPRRLYIGIVLGALLLFFC
GLPSVFYWSLQPLLNFLLPVFSPLATLLACVNSSSKPLIYSGLRQPGKREPLRSVLRRALGEGAE LGAR
GQSLPMGLL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8038_g09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001164377

ORF Size:

867 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001164377.1](#), [NP_001157849.1](#)

RefSeq ORF: 870 bp

Locus ID: 386746

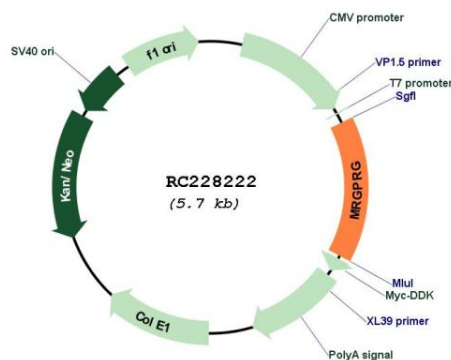
UniProt ID: [Q86SM5](#)

Cytogenetics: 11p15.4

MW: 31.3 kDa

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

Product images:



Circular map for RC228222