

Product datasheet for **RG211194**

GPCR MRGE (MRGPRE) (NM_001039165) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPCR MRGE (MRGPRE) (NM_001039165) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPCR MRGE
Synonyms:	GPR167; MGRF; MRGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211194 representing NM_001039165 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCAGAGAAGCTGGACAGCACGTGGGGCCGCCAACGGCGCCAGGAGGATGTGGCCTCAACC
TCATCATCCTGTCCCTCACCGAGGGCTCGGCCTCGGTGGGCTGCTGGGAATGGGGCAGTCCTTGCT
GCTCAGCTCCAATGTCTACAGAAACCCCTTCGCCATCTACCTCCTGGACGTGGCCTGCGGGATCTCATC
TTCCTTGGCTGCCACATGGTGGCCATCGTCCCGACTTGCTGCAAGGCCGGCTGGACTTCCCGGGCTTCG
TGCAGACCAGCCTGGCAACGCTGCGCTTCTCTGCTACATCGTGGCCTGAGTCTCCTGGCGGCCGTCAG
CGTGGAGCAGTGCCTGGCGCCCTCTTCCAGCCTGGTACTCGTGCCGCCGCCACGCCACCTGACCACC
TGTGTGTGCGCCCTCACCTGGGCCCTCTGCCTGCTGCTGCACCTGCTGCTCAGCGGCCCTGCACCCAGT
TCTTCGGGGAGCCAGCCGCCACTTGTGCCGACGCTGTGGCTGGTGGCAGCGGTGCTGCTGGCTGCTGCT
GTGTTGCACCATGTGTGGGGCCAGCCTTATGCTGCTGCTGCGGGTGGAGCGAGGCCCCACGGGCCCCCA
CCCCGGGGCTTCCCTGGGCTCATCCTCCTACCGTCTCCTCTTCTCCTTCTGCGGCTGCCCTTCGGCA
TCTACTGGCTGTCCCGAACCTGCTCTGGTACATCCCCACTACTTCTACCACTCAGCTTCTCATGGC
CGCCGTGCACTGCGCGGCCAAGCCCGTCTACTTCTGCCTGGGAGTGCAGGGCCGAGGCTGCC
CTCCGGTGGTCTCCAGCGAGCCTGGGAGACGAGGCTGAGCTGGGGCCGTCAGGGAGACCTCCCGCC
GGGCCTGGTGGACATAGCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211194 representing NM_001039165
 Red=Cloning site Green=Tags(s)

MEPREAGQHVGAANGAQEDVAFNLIILSLTEGLGLGGLLNGAVLWLLSSNVYRNPFAIYLLDVACADLI
 FLGCHMVAIVPDLQGRDLDFPGFVQTSLATLRFVFCYIVGLSLLAAVSVEQCLAALFPWYSCRPRHLTT
 CVCALTWALCLLLHLLSGACTQFFGEPSSRHLCTRLWLVAVLLALLCCTMCGASMLLLRVERGPQRPP
 PRGFPLILLTVLLFLFCGLPFGIYWLNRLLWYIPHYFYHFSFLMAAVHCAAKPVVYFCLGSAQGRRLP
 LRLVLQRALGDEAELGAVRETSRRGLVDIAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039165

ORF Size: 933 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.

RefSeq: [NM_001039165.1](#), [NP_001034254.1](#)

RefSeq Size: 1020 bp

RefSeq ORF: 939 bp

Locus ID: 116534

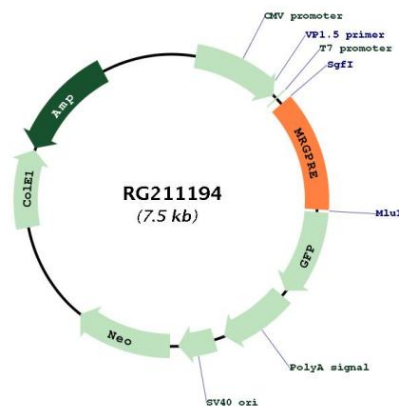
UniProt ID: [Q86SM8](#)

Cytogenetics: 11p15.4

Protein Families: Druggable Genome, Transmembrane

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

Product images:



Circular map for RG211194