

Product datasheet for **RC219212**

GPR39 (NM_001508) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR39 (NM_001508) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC219212 representing NM_001508
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTCACCCAGCCTCCCGGGCAGTGACTGCTCCCAAATCATTGATCACAGTCATGTCCCGAGTTTG
 AGGTGGCCACCTGGATCAAAATCACCTTATTCTGGTGTACCTGATCATCTTCGTGATGGCCTTCTGGG
 GAACAGCGCCACCATTCGGGTCACCCAGGTGCTGCAGAAGAAAGGATACTTGCAAGAGGAGGTGACAGAC
 CACATGGTGAGTTTGGCTTGCTCGGACATCTTGGTGTTCCTCATCGGCATGCCCATGGAGTTCTACAGCA
 TCATCTGGAATCCCCTGACCACGTCCAGCTACACCCTGCTCCTGCAAGCTGCACACTTTCCTCTTCGAGGC
 CTGCAGCTACGCTACGCTGCTGCACGTGCTGACACTCAGCTTTGAGCGCTACATCGCCATCTGTACCCCC
 TTCAGGTACAAGGCTGTGTCGGGACCTTCCAGGTGAAGCTGCTGATTGGCTTCGTCTGGGTACCTCCG
 CCCTGGTGGCACTGCCCTTGTGTTGCCATGGTACTGAGTACCCCTGGTGAACGTGCCAGCCACCG
 GGGTCTCACTTGAACCGCTCCAGCACCCGCCACCAGCAGCCCGAGACCTCCAATATGTCCATCTGT
 ACCAACCTCTCCAGCCGCTGGACCGTGTCCAGTCCAGCATCTTCGGCGCCTTCGTGGTCTACCTCGTGG
 TCCTGCTCTCCGTAGCCTTCATGTGCTGGAACATGATGCAGGTGCTCATGAAAAGCCAGAAGGGCTCGCT
 GGCCGGGGGACGCGGCCTCCGCAGCTGAGGAAGTCCGAGAGCGAAGAGAGCAGGACCGCCAGGAGGCAG
 ACCATCATCTTCTGAGGCTGATTGTTGTGACATTGGCCGTATGCTGGATGCCCAACCAGATTCCGGAGGA
 TCATGGCTGCGGCCAAACCCAAGCAGACTGGACGAGGTCTACTTCCGGGCGTACATGATCCTCCTCCC
 CTTCTCGGAGACGTTTTTCTACCTCAGCTCGGTATCAACCCGCTCCTGTACACGGTGTCTCGCAGCAG
 TTTCCGGGGTGTTCGTGCAGGTGCTGTGCTGCCGCTGTGCTGCAGCACGCCAACACGAGAAGCGCC
 TGCGCGTACATGCGCACTCCACCACCGCAGCCCGCTTTGTGCAGCGCCGTTGCTCTTCGCGTCCCG
 GCGCCAGTCTCTGCAAGGAGAAGTCTGAGAAGATTTTCTTAAGCACTTTTTCAGAGCGAGCCGAGCCCCAG
 TCTAAGTCCCAGTCATTGAGTCTCGAGTCACTAGAGCCAACTCAGGCGGAAACCAGCCAATTCTGCTG
 CAGAGAATGGTTTTTCAGGAGCATGAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219212 representing NM_001508
 Red=Cloning site Green=Tags(s)

MASPSLPGSDCSQIIDHSHVPEFEVATWIKITLILVYLIIFVMGLLGNSATIRVTQVLQKKGYLQKEVTD
 HMVSLACSDILVFLIGMPMEFYIIWNPLTSSYTLCKLHTFLFEACSYATLLHVLTLSEFYIAIICHP
 FRYKAVSGPCQVKLLIGFVWVTSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNSMIC
 TNLSSRWTVFQSSIFGAFVVYLVVLLSVAFCWNMMQVLMKSQKSLAGGTRPPQLRKSESEESRTARRQ
 TIIIFLRLIVVTLAVCWMPNQIRRIIMAAKPKHDWTRSYFRAYMILLPFSETFFYLSVINPLLYTVSSQQ
 FRRVFVQLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPLLFASRRQSSARRTEKIFLSTFQSEAEPP
 SKSQSLSELEPNSGAKPANSAAENGFQEHEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2392_e02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001508

ORF Size: 1359 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_001508.3](#)
RefSeq Size: 1362 bp

RefSeq ORF: 1362 bp

Locus ID: 2863

UniProt ID: [O43194](#)

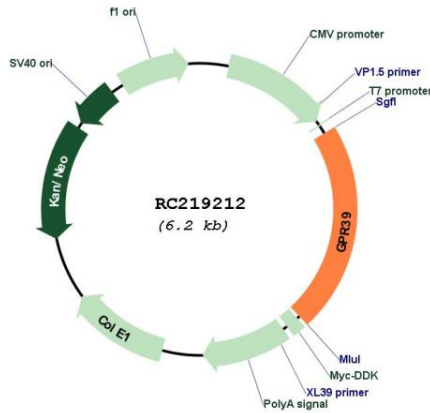
Cytogenetics: 2q21.2

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 51.1 kDa

Gene Summary: This gene is a member of the ghrelin receptor family and encodes a rhodopsin-type G-protein-coupled receptor (GPCR). The encoded protein is involved in zinc-dependent signaling in epithelial tissue in intestines, prostate and salivary glands. The protein may also be involved in the pathophysiology of depression. [provided by RefSeq, Jun 2016]

Product images:



Circular map for RC219212