

Product datasheet for **MR206908**

Qrfpr (NM_198192) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qrfpr (NM_198192) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Qrfpr
Synonyms:	AQ27; Gpr103; SP9155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206908 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCGCTCAACATCACCGGAGCAGTTTTCCCGGCTGCTGAGCGGCACAACCTGACTCGGGAAC
 AGTTCATTCATCGCTATGGGCTGCGACCGCTGGTCTACACTCCGAGCTGCCCGCGCGCTAAACTGGC
 CTTTGGCTGGCTGGAGCACTATTTTTGCCCTGGCGCTCTTTGGCAACTCTCTGGTCATCTATGTGGT
 ACCCGCAGCAAGGCCATGCGCACCGTCACCAACATCTTCATCTGCTCTCTGGCACTCAGTGATCTGCTCA
 TTGCCCTCTTCTGCATCCCCGTACGATGCTCCAGAACATCTCCGACAAGTGGTGGTGGTGCCTTCAT
 CTGCAAGATGGTCCCTTCGTCCAGTCCACTGCTGTTGTGACGGAATCCTCACCATGACTTGCATCGCT
 GTTGAGAGGCACCAAGGACTCATCCATCCTTTAAATGAAGTGGCAGTACACTACCCGAAGGGCTTCA
 CAATCTTGGGTGGTCTGGTTGGCAGCCATCATCGTAGGATCACCCATGTGGCACGTACAACGCCCTCGA
 GATTAAGTATGACTTCTCTATGAGAAAGAACATGTCTGCTGTTTGAAGAGTGGCCAGCCCCATGCAC
 CAGAGAATCTACACCACCTTCATCCTCGTCATCCTCTTCTCCTGCCGCTTGTGGTGATGCTTGTCTCT
 ACAGCAAGATTGGCTATGAACTGTGGATCAAGAAGAGAGTTGGAGACAGTTCAGCACTTCAGACTATCCA
 CGGGAAAGAAATGTCCAAAATAGCCAGGAAGAAGAAGCGGGCTGTGTTATGATGGTGACAGTGGTGGCT
 CTCTTCGCTGCGTGTGGCACCTTTCCATGTTGTTACATGATGGTTGAGTACAGTAACTTTGAAAAAG
 AGTATGATGATGTCACAAATCAAGATGGTTTTGCTGTTGCACAAACAATTGGCTTTTTCACTCCATCTG
 TAATCCCTTTGTGATGCATTTATGAATGAAAACCTTCAAAAAGAATTTTTGTCTGCGGTTTGTATTGC
 ATAGTAAGAGAAACCTTCTCCCCAGGACAGAAGCCTGGAATTTCTGGGATTTCAATGATGCAAAAAGAGAG
 CAAAGTTATCAGATCACAGCCTCAGTGGCGGAAGCCAAGGAGACTTATTCAGCGATGCCAACGTTGA
 TGTCAAATTTGTGAGCAGCCAGGGGAGAAAAGGCAACTCAAGCGACAGCTTGCCTTCTTTAGTTCTGAA
 CTTTCTGAAAACCTACTTTCCGCACTGGACATGAACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206908 protein sequence
 Red=Cloning site Green=Tags(s)

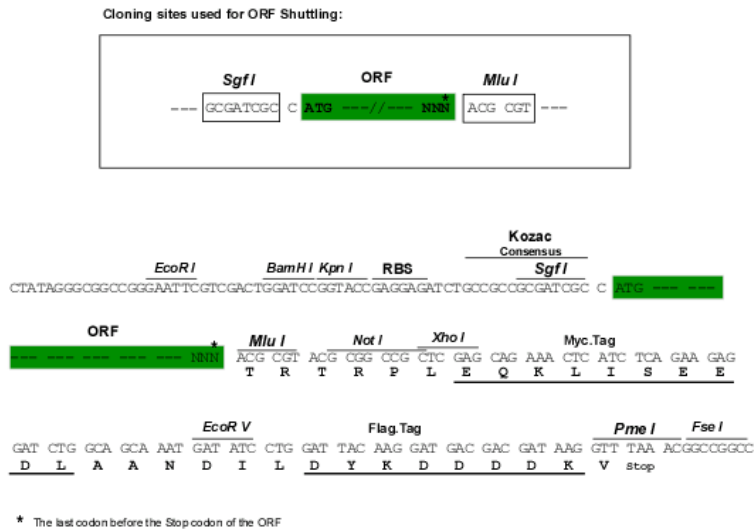
MQALNITAEQFSRLLSAHNLTREQFIHRYGLRPLVYTPPELPAKALAFALAGALIFALALFGNSLVIYVV
 TRSKAMRTVTNIFICSLALSDLLIAFFCIPVTMLQNI SDKWLGGA FICKMVPFVQSTAVVTEILTMT CIA
 VERHQGLIHPFKMKWQYTRRAF TILGVVWLA AIVGSPMWHVQRLEIKYDFLYEKEHVCCLEEWASPMH
 QRIYTTFILVILFLLPLVVMLVLYSKI GYELWIKKRVGDSSALQTIHGKEMSKIARKKKRAVMMVTVVA
 LFAACWAPFHVVHMMVEYSNFEKEYDDVTIKMVF AVAQTIGFFNSICNPFVYAFMNENFKKNFLSAVCYC
 IVRETFSPGQKPGNSGISMMQKRAKLSRSQRPVAEAKGDLFSDANVDVKLCEQPGEKRQLKRQLAFFSSE
 LSENSTFGSGHEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_198192

ORF Size: 1302 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_198192.2](#), [NP_937835.1](#)

RefSeq Size: 1816 bp

RefSeq ORF: 1302 bp

Locus ID: 229214

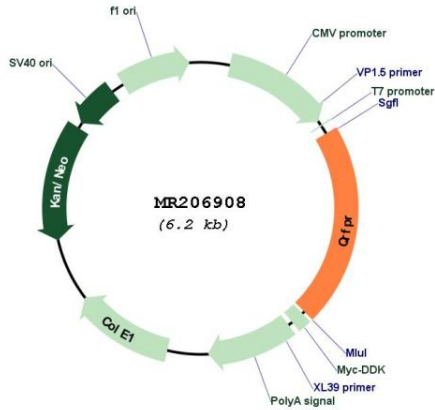
UniProt ID: [P83861](#)

Cytogenetics: 3 B

MW: 49.2 kDa

Gene Summary: Receptor for the orexigenic neuropeptide QRFP. The activity of this receptor is mediated by G proteins that modulate adenylate cyclase activity and intracellular calcium levels (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206908