

Product datasheet for **MG206908**

Qrfpr (NM_198192) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Qrfpr (NM_198192) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Qrfpr |
| Synonyms: | AQ27; Gpr103; SP9155 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG206908 representing NM_198192 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGCGCTCAACATCACCGCGGAGCAGTTTTCCCGGCTGCTGAGCGCGCACAACTGACTCGGGAAC
AGTTCATTCATCGCTATGGGCTGCGACCGCTGGTCTACACTCCGGAGCTGCCCGCGCGCTAAACTGGC
CTTTGCGCTGGCTGGAGCACTCATTTTTGCCCTGGCGCTTTGGCAACTCTCTGGTCATCTATGTGGTG
ACCCGACGAAGGCCATGCGCACCGTCACCAACATCTTCATCTGCTCTCTGGCACTCAGTGATCTGTCTA
TTGCCTTCTTCTGCATCCCGTACGATGCTCCAGAACATCTCCGACAAGTGGCTGGTGGTGCCTTCAT
CTGCAAGATGGTGCCTTCGTCCAGTCCACTGCTGTTGTGACGGAATCCTCACCATGACTTGCATCGCT
GTTGAGAGGCACCAAGGACTCATCCATCCTTTAAATGAAGTGGCAGTACACTACCCGAAGGGCTTTCA
CAATCTTGGGTGTGGTCTGGTTGGCAGCCATCATCGTAGGATCACCCATGTGGCAGTACAACGCCTCGA
GATTAAGTATGACTTCCTCTATGAGAAAGAATGTCTGCTGTTGGAAGAGTGGCCAGCCCCATGCAC
CAGAGAATCTACACCACCTTCCTCGTCATCCTCTTCTCCTGCCGCTTGTGGTATGCTTGTCTCT
ACAGCAAGATTGGCTATGAACTGTGGATCAAGAAGAGAGTTGGAGACAGTTCAGCACTTCAGACTATCCA
CGGAAAGAAATGTCCAAAATAGCCAGGAAGAAGAAGCGGGCTGTCGTTATGATGGTGACAGTGGTGGCT
CTCTTCGCTGCGTGGGACCTTTCCATGTTGTTACATGATGGTTGAGTACAGTAACCTTTGAAAAAG
AGTATGATGATGTCACAATCAAGATGGTTTTGCTGTTGCACAAACAATTGGCTTTTTCAACTCCATCTG
TAATCCCTTTGTGTATGCATTTATGAATGAAAACCTTCAAAAAGAATTTTTGTCTGCGGTTTGTATTGC
ATAGTAAGAGAAACCTTCTCCCCAGGACAGAAGCCTGGAATTTCTGGGATTTCAATGATGCAAAAGAGAG
CAAAGTTATCACGATCACAGCGTCCAGTGGCGGAAGCCAAAGGAGACTTATTCAGCGATGCCAACGTTGA
TGTCAAATTGTGTGAGCAGCCAGGGGAGAAAAGGCAACTCAAGCGACAGCTTGCCTTCTTTAGTTCTGAA
CTTTCTGAAAACCTACTTTCCGGCAGTGGACATGAACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206908 representing NM_198192
 Red=Cloning site Green=Tags(s)

MQALNITAEQFSRLLSAHNLTREQFIHRYGLRPLVYTPPELPARAKLAFALAGALIFALALFGNSLVIYVV
 TRSKAMRTVTNIFICSLALSDLLIAFFCIPVMTLQNISDKWLGGAFFICKMVPFVQSTAVVTEILTMTCIA
 VERHQGLIHPFKMKWQYTRRAF TILGVVWLAIIIVGSPMWHVQRLEIKYDFLYEKEHVCCLEEWASPMH
 QRIYTTFFILVILFLLPLVVMLVLYSKIYVELWIKKRVGDSSALQTIHGKEMSKIARKKKRAVMMVTVVA
 LFAACWAPFHVVHMMVEYSNFEKEYDDVTIKMVF AVAQTIGFFNSICNPFVYAFMNFKNFLSAVCYC
 I VRETFS PGQKPGNSGISMMQKRAKLSRSQRPVAEAKGDLFSDANVDVKLCEQPGEKRQLKRQLAFFSSE
 LSENSTFGSGHEL

TRTRPLE - GFP Tag - V

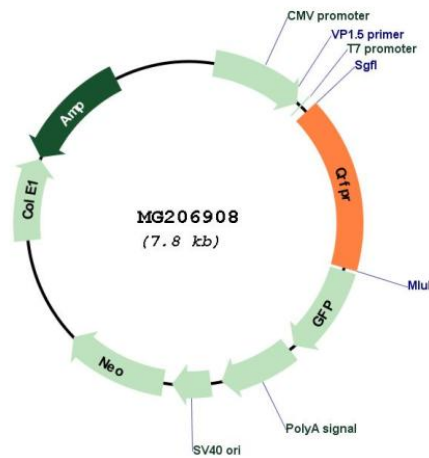
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_198192

| | |
|-------------------------------|---|
| ORF Size: | 1299 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: | <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_198192.2 , NP_937835.1 |
| RefSeq Size: | 1816 bp |
| RefSeq ORF: | 1302 bp |
| Locus ID: | 229214 |
| UniProt ID: | P83861 |
| Cytogenetics: | 3 B |
| 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] |