

Product datasheet for **RR204305**

Qrfpr (NM_198199) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qrfpr (NM_198199) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Qrfpr
Synonyms:	AQ27; Gpr103
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR204305 representing NM_198199
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGCGCTCAACATCACCGGAGCAGTTCTCCCGGTGCTGAGCGGCACAACCTGACTCGGGAGC
 AGTTCATTCATCGCTATGGGCTGAGACCCTGGTCTACACTCCGAGCTGCCCGCGTGTAAAGTGGC
 CTTTGGCTGGCAGGAGCACTATTTTTGCCCTGGCGCTCTTCGCAACTCTCTGGTCATCTATGTGGT
 ACCCGCAGCAAGGCCATGCGCACCGTACCAACATCTTCATCTGCTCTGGCACTCAGTGATCTGCTCA
 TTGCCCTCTTCTGCATCCCCGTACGATGCTCCAGAACATCTCCGACAAGTGGTGGTGGTGCCTTCAT
 CTGCAAGATGGTACCCTTTGTCCAGTCCACGGCCGTCGTGACAGAAATCCTCACCATGACCTGCATCGT
 GTTGAGAGGCACCAAGGACTTGTCCATCCTTTAAAATGAAGTGGCAGTACACCACCGAAGGGCCTTCA
 CGATCTTGGCGTGGTCTGGTTGGCGCCATCATCGTAGGATCACCCATGTGGCACGTGCAACGCCCTTGA
 GATTAAGTATGACTTCTCTATGAAAAAGAACACATCTGCTGCTTGAAGAATGGCCAGCCCCGTGCAC
 CAGAGAATCTACAGCACCTTCATTCTCGTCATCCTCTTCTCCTGCTCTTGTGGTAATGCTAGTCTCT
 ATAGCAAGATTGGCTATGAACTGTGGATCAAGAAGAGAGTGGGAGACAGTTCAGCGCTTCAAACATCCA
 CGGGAAAGAAATGTCAAATAGCCAGGAAGAAGAAGCGGGCTGTATTATGATGGTGACTGTGGTGGCT
 CTCTTTGCTGCATGCTGGGCACCTTCCACGTTGTTACATGATGGTTGAGTACAGTAATTTTAAAAAG
 AATATGATGATGTCACAATCAAGATGGTCTTGTCTGTCGCGCAGACAATTGGCTTTTTCACTCCATCTG
 TAATCCCTTTGTGATGCGTTTATGAATGAAAACCTTAAAAAGAATTTCTGTCTGCTGTTTGTATTGC
 ATAGTAAAGAATCCTCCTCCCCAGCACGGAAGCCTGGGAATTCGGAATATCAATGATGCAGAAGAGAG
 CAAAGTTATCTCGACCACAGCGTCCAGTGAAGAACAAGGAGACACATTCAGTGATGCCAGCATTGA
 TGTCAAATTTGTGCGAGCAGCCGCGGAGAAAAAGACAACCTCAAGAGACAGCTAGCCTTCTTCAAGTTCTGAA
 CTTTCTGAAAACCTACTTTTGGTAGTGGCCATGAACTGCTTTCTGAAAACCTACTTTTGGTAGTGGCC
 ATGAACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204305 representing NM_198199
 Red=Cloning site Green=Tags(s)

MQALNITAEQFSRLLSAHNLTREQFIHRYGLRPLVYTPELPARAKVAFALAGALIFALALFGNSLVIYV
 TRSKAMRTVTNIFICSLALSDLLIAFFCIPVTMLQNISDKWLGGAFFICKMVPFVQSTAVVTEILTMT
 VERHQGLVHPFKMKWQYTRRAF TILGVVWLAIIIVGSPMWHVQRLEIKYDFLYEKEHICCLEEWAS
 QRIYSTFILVILFLLPLVVMLVLYSKIYELWIKKRVGDSSALQTIHGKEMSKIARKKRAVIMMVT
 VVALFAACWAPFHVHMMVEYSNFEKEYDDVTIKMVAQAQTIGFFNSICNPFVYAFMNFKNFLSA
 VCYCIVKESSPARKPGNSGISMMQKRAKLSRPQRPVEETKGDTFSDASIDVKLCEQPREKRQLKR
 QLAFFSSELSENSTFGSGHELLSENSTFGSGHEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1698_a07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_198199

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:**
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 Size: 1302 bp

RefSeq ORF: 1302 bp

Locus ID: 310327

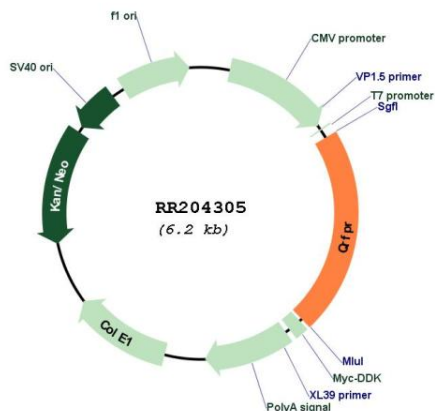
UniProt ID: [P83858](#)

Cytogenetics: 2q25

MW: 49.3 kDa

Gene Summary: orphan G protein-coupled receptor; has a role in regulating adrenal function [RGD, Feb 2006]

Product images:



Circular map for RR204305