

Product datasheet for **RR200458**

Gcgr (NM_172092) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcgr (NM_172092) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gcgr
Synonyms:	MGC93090
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200458 representing NM_172092
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCCTCACCCAGCTCCACTGTCCTACCTGCTGCTGCTGGTGGTGTGTCATGTCTGCCAAGG
 CACCTCTGCCAGGTAATGACTTTTTGTTGAGAAAGTGAAGCTCTATAGTGACCAGTGCCACCACAA
 CCTAAGCCTGCTGCCCCACCTACTGAGCTGGTCTGCAACAGAAGTTTCGACAAGTACTCCTGCTGGCCT
 GACACCCCTCCCAACACCACTGCCAACATTTCTGCCCTGGTACCTACCTTGGTACCACAAAGTGCAGC
 ACCGCCTAGTGTCAAGAGGTGTGGCCTGATGGGCAGTGGGTTTCGAGGGCCACGGGGCAGTATGGCG
 CGACGCCTCCCAATGTCAGATGGATGATGACGAGATCGAGGTCCAGAAGGGGTAGCCAAGATGTATAGC
 AGCTACCAGGTGATGACTGTGGCTACAGTCTGTCCCTGGGGCCTTGTCTGGCGCTGGTCATCC
 TGCTGGGCCTCAGGAAGCTGCACTGCACCCGGAACACATCCACGGGAACCTGTTCCGCTCTTCGTGCT
 CAAGGCTGGCTCTGTGCTGGTCATTGATTGGCTGCTCAAGACACGCTATAGCCAGAAGATTGGAGATGAC
 CTCAGTGTGAGCGTCTGGCTCAGTGTGGGGCGGTGGCTGGCTGCAGAGTGGCCACAGTATCATGCAGT
 ACGGCATCATAGCCAACACTACTGCTGGTTGCTGGTGGAGGGTGTGTACCTGTACAGCCTGCTGAGCATCAC
 CACCTTCTCGGAGAAGAGCTTCTTCTCCCTCTATCTGTGCATCGGCTGGGGATCTCCCCTGCTGTTTGT
 ATCCCCTGGTGGTGGTCAAGTGTCTGTTTGAAGTGTCCAGTGTGGACCAGCAATGACAATATGGGAT
 TCTGGTGGATCCTGCGTATCCCTGTACTCCTGGCCATACTGATCAATTTTTTTCATCTTTGTCCGCATCAT
 TCATCTTCTGTGGCCAAGCTGCGTGCCATCAGATGCACTATGCTGATTACAAGTTCGGCTAGCCAGG
 TCCACGCTGACCTCATTCTCTGCTGGGAGTCCACGAAGTGGTCTTTCCTTTGTGACTGATGAGCATG
 CCCAGGCACCCCTGCGCTCCACCAAGCTTTTTTGGACCTGTTCTCAGCTCTTCCAGGCTGCTGCTGGT
 GGCTGTTCTCTACTGTTTCTCAACAAGGAGGTGCAGGCAGAGCTACTGCGGCGTTGGAGGCGATGGCAA
 GAAGGCAAGCTTTCAGGAGGAAAGGATGGCCAGCAGCCATGGCAGCCATGGCCCCAGCAGGGACTT
 GTCATGGTATCCCTGTGAGAACTTCACTTATGAGTGCAGGCAGCAGCAGTGGGACTGGCTGTGAGCC
 CTCTGCGAAGACCTCATTGGCCAGTAGTCTCCAAGGCTGGTGACAGCCCCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200458 representing NM_172092
 Red=Cloning site Green=Tags(s)

MLLTQLHCPYLLLLLVLSCLPKAPSAQVMDFLFEKWLYSDQCHHNSLLPPPELVCNRTFDKYSWCP
 DTPPNTTANISCPWYLPWYHKVQHRLVFKRCGPDGQWVRGPRGQSWRDASQCQMDDEIEVQKGVAKMYS
 SYQVMTYVGYSLGALLLALVILLGLRKLHCTRNYIHGNLFAFVFLKAGSVLVIDWLLKTRYSQKIGDD
 LSVSVWLSDGAVAGCRVATVIMQYGIANYCWLLVEGVYLYSLLSITTFSEKSFSLYLCIGWGSPLL FV
 IPWVVVKCLFENVQCWTSNDNMGFWWILRIPVLLAILINFFIFVRIIHLVAKLRAHQMHYADYKFLRLAR
 STLTLIPLLGVHEVVFAFVTDEHAQGLRSTKLFFDLFFSSFQGLLVAVLYCFLNKEVQAE LLRRWRWQ
 EGKALQEERMASHGSHMAPAGTCHGDPCEKLQLMSAGSSSGTGCEPSAKTSLASSLPRLADSPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_172092

ORF Size: 1455 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_172092.2](#), [NP_742089.1](#)
RefSeq Size: 1901 bp

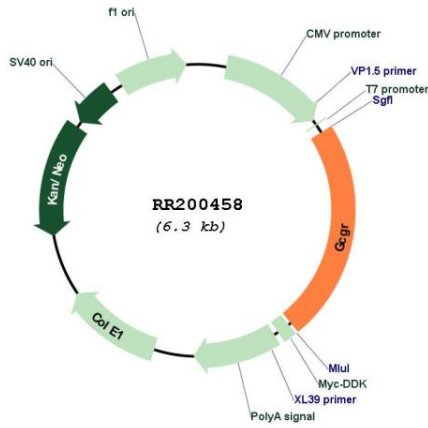
RefSeq ORF: 1458 bp

Locus ID: 24953

UniProt ID: [P30082](#)

Cytogenetics: 10q32.3
MW: 55 kDa
Gene Summary: G-protein coupled receptor that binds glucagon and activates adenylate cyclase [RGD, Feb 2006]

Product images:



Circular map for RR200458