

Product datasheet for **RN216771**

Gcgr (NM_172091) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcgr (NM_172091) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gcgr
Synonyms:	MGC93090
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN216771 representing NM_172091
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCCTCACCCAGCTCCACTGTCCTACCTGCTGCTGCTGGTGGTGTGTCATGTCTGCCAAAGG
 CACCCTCTGCCCAGGTAATGGACTTTTTGTTTGAGAAAGTGAAGCTCTATAGTGACCAGTGCCACCACAA
 CCTAAGCCTGCTGCCCCACCTACTGAGCTGGTCTGCAACAGAAGTTTCGACAAGTACTCCTGCTGGCCT
 GACACCCCTCCCAACACCAGTCCCAACATTTCTGCCCTGGTACCTACCTTGGTACCACAAAGTGCAGC
 ACCGCCTAGTGTCAAGAGGTGTGGCCTGATGGGCAGTGGGTTTCGAGGGCCACGGGGCAGTCATGGCG
 CGACGCCTCCCAATGTCAGATGGATGATGACGAGATCGAGGTCCAGAAGGGGTAGCCAAGATGTATAGC
 AGCTACCAGGTGATGACTGTGGGCTACAGTCTGTCCCTGGGGCCTTGCTCCTGGCGCTGGTCATCC
 TGCTGGGCCTCAGGAAGCTGCACTGCACCCGGAACACATCCACGGGAACCTGTTCCGCTCCTTCGTGCT
 CAAGGCTGGCTCTGTGCTGGTCATTGATTGGCTGCTCAAGACACGCTATAGCCAGAAGATTGGAGATGAC
 CTCAGTGTGAGCGTCTGGCTCAGTGTGGGGCGGTGGCTGGCTGCAGAGTGGCCACAGTATCATGCACT
 ACGGCATCATAGCCAACACTACTGCTGGTGTGGTGGAGGGTGTGTACCTGTACAGCCTGCTGAGCATCAC
 CACCTTCTCGGAGAAGAGCTTCTTCTCCCTCTATCTGTGCATCGGCTGGGGATCTCCCCTGCTGTTTGT
 ATCCCCTGGTGGTGGTCAAGTGTCTGTTTGAGAATGTCCAGTGTGGACCAGCAATGACAATATGGGAT
 TCTGGTGGATCCTGCGTATCCCTGTACTCCTGGCCATACTGATCAATTTTTTCATCTTTGTCCGCATCAT
 TCATCTTCTGTGGCCAAGCTGCGTGCCATCAGATGCACTATGCTGATTACAAGTTCGGCTAGCCAGG
 TCCACGCTGACCCCTATTCCTCTGCTGGGAGTCCACGAAGTGGTCTTTCCTTTGTGACTGATGAGCATG
 CCCAGGCACCCCTGCGCTCCACCAAGCTTTTTTACCTGTTCTTCAGCTCCTCCAGGGTCTGTGCTGGT
 GGCTGTTCTCTACTGTTTCTCAACAAGGAGTGCAGGCAGAGCTACTGCGGCGTTGGAGGCGATGGCAA
 GAAGGCAAAGCTTTCAGGAGGAAAGGATGGCCAGCAGCCATGGCAGCCATGGCCCCAGCAGGGACTT
 GTCATGGTATCCCTGTGAGAACTTCAGCTTATGAGTGCAGGCAGCAGCAGTGGGACTGGCTGTGAGCC
 CTCTGCGAAGACCTCATTGGCCAGTAGTCTCCCAAGGCTGGTGCAGCCCCACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172091
- Insert Size:** 1458 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_172091.2](#), [NP_742088.1](#)

RefSeq Size: 1893 bp

RefSeq ORF: 1458 bp

Locus ID: 24953

UniProt ID: [P30082](#)

Cytogenetics: 10q32.3

Gene Summary: G-protein coupled receptor that binds glucagon and activates adenylyate cyclase [RGD, Feb 2006]

Transcript Variant: This variant (2) contains an alternate 5' terminal non-coding exon, therefore, has a different 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.