

Product datasheet for **RN210779**

Glp1r (NM_012728) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glp1r (NM_012728) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Glp1r
Synonyms:	Glip; RATGL1RCP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210779 representing NM_012728
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTCACCCCAGCCTGCTGCGCCTGGCGCTCCTGTGCTCGGGGCGGTGGCAGGGCCGGCCCC
 GCCCCAGGGTGCCACGGTGTCCCTCTCAGAGACAGTGCAGAAATGGAGAGAGTATCGGCACCAGTGCCA
 ACGTTTCCTCACGGAAGCGCCACTCCTGGCCACAGGTCTCTTCTGCAACCGAACCTTTGATGACTACGCC
 TGCTGGCCAGATGGGCCCCAGTTCTTTGTGAATGTCAGTTGCCCTGGTACCTGCCGTGGGCCAGTA
 GTGTGCTCCAAGGGCATGTGTACCGTTCTGCACGGCCGAGGGTATCTGGCTGCATAAGGACAACTCCAG
 CCTGCCCTGGAGGGACCTGTCGGAGTGCAGAGTCCAAGCAAGGAGAGAGAACTCCCTGAGGAACAG
 CTCCTGTCGCTGTACATTATCTACACGGTGGGTACGCACTTTCTTTCTGCTTGGTCATCGCTTCAG
 CCATCCTTGTGAGCTTCCAGACACTGCACTGCACCAGAACTACATCCACCTGAACCTGTTTGCCTCCT
 CATCCTCCGAGCACTGTCGGTCTTCATCAAAGACGCTGCCCTCAAGTGGATGTATAGCACGGCTGCGCAA
 CAGCACAGTGGGATGGGCTCCTCTCGTATCAGGACTCTCTGGGCTGCCGACTGGTGTCCCTGCTCATGC
 AATACTGCGTGGCGGCCAACTACTACTGTTGCTGGTGGAAAGCGGTGTATCTGTACACACTGCTGGCCTT
 CTCGGTGTTCGGAGCAGCGCATCTTCAAGCTGTACCTGAGCATAGGCTGGGGAGTTCCGCTGCTGTTT
 GTTATCCCCTGGGGCATTGTCAAGTATCTCTACGAGGACGAGGGTTGCTGGACCAGGAACTCCAACATGA
 ACTATTGGCTCATACACGCTTGCCCATTTCTTTGCAATCGGGGTCACTTCTTGTCTTCATCCGGGT
 CATCTGCATCGTATAGCCAAGTGAAGGCTAATCTCATGTGTAAGACCGACATCAAATGCAGACTCGCG
 AAGTCCACTCTGACGCTCATCCGCTTCTGGGCACGCATGAAGTCATCTTTGCCTTTGTGATGGACGAGC
 ACGCCCGAGGAACCTACGCTTTCGTCAGCTGTTCAAGAGCTCTCCTTCACTTCCAGGGCTTTAT
 GGTGGCTGCTTGTACTGCTTTGTCAACAATGAGGTCCAGATGGAGTTTCGGAAGAGCTGGGAGCGCTGG
 AGGCTGGAGCGCTTGAACATCCAGAGGGACAGCAGCATGAAACCCTCAAGTGTCCACCAGCAGCGTCA
 GCAGTGGGGCCACGGTGGCAGCAGCGTGTATGCAGCCACCTGCCAAAATTCCTGCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012728

Insert Size: 1392 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_012728.1](#), [NP_036860.1](#)

RefSeq Size: 3066 bp

RefSeq ORF: 1392 bp

Locus ID: 25051

UniProt ID: [P32301](#)

Cytogenetics: 20p12

Gene Summary: induces insulin secretion; mediates neuroendocrine signaling of feeding behavior; mediates cardiovascular response and increased blood pressure [RGD, Feb 2006]