

Product datasheet for **RR210779**

Glp1r (NM_012728) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR210779 representing NM_012728
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTCACCCCAGCCTGCTGCGCCTGGCGCTCCTGTGCTCGGGCGGTGGCAGGGCCGGCCCC
 GCCCCAGGGTGCACGGTGTCCCTCTCAGAGACAGTGCAGAAATGGAGAGAGTATCGGCACCAAGTGCCA
 ACGTTTCTCACGGAAGCGCCACTCCTGGCCACAGGTCTCTTCTGCAACCGAACCTTTGATGACTACGCC
 TGCTGGCCAGATGGGCCCCAGGTTCTTTGTGAATGTCAGTTGCCCTGGTACCTGCCGTGGGCCAGTA
 GTGTGCTCCAAGGGCATGTGTACCGTTCTGCACGGCCGAGGGTATCTGGCTGCATAAGGACAACTCCAG
 CCTGCCCTGGAGGGACCTGTCGGAGTGCAGAGTCCAAGCAAGGAGAGAGAACTCCCTGAGGAACAG
 CTCCTGTCGCTGTACATTATCTACACGGTGGGTACGCACTTTCTTTCTGCTTGGTCATCGCTTCAG
 CCATCCTTGTGAGCTTCCAGACACTTGCCTGCACAGGAACTACATCCACCTGAACCTGTTTGCCTCCT
 CATCCTCCGAGCACTGTCGGTCTTCATCAAAGACGCTGCCCTCAAGTGGATGTATAGCACGGCTGCGCAA
 CAGCACAGTGGGATGGGCTCCTCTCGTATCAGGACTCTCTGGGCTGCCGACTGGTGTCTCTGCTATGC
 AATACTGCGTGGCGGCCAACTACTACTGTTGCTGGTGGAAAGCGGTGTATCTGTACACACTGCTGGCCTT
 CTCGGTGTCTCGGAGCAGCGCATCTTCAAGCTGTACCTGAGCATAGGCTGGGGAGTTCCTGCTGTTT
 GTTATCCCCTGGGGCATTGTCAAGTATCTCTACGAGGACGAGGGTGTGGACCAGGAACTCCAACATGA
 ACTATTGGCTCATACACGCTTGCCCATCTCTTTGCAATCGGGTCAACTTCTTGTCTTCATCCGGGT
 CATCTGCATCGTATAGCCAAGTGAAGGCTAATCTCATGTGTAAGACCGACATCAAATGCAGACTCGCG
 AAGTCCACTCTGACGCTCATCCCGCTTCTGGGCACGCATGAAGTCACTTTGCCTTTGTGATGGACGAGC
 ACGCCCGAGGAACCTACGCTTCTCAAGCTGTTCAAGAGCTCTCCTCACTTCTTCCAGGGCTTTAT
 GGTGGCTGCTTGTACTGCTTTGTCAACAATGAGGTCCAGATGGAGTTTCGGAAGAGCTGGGAGCGCTGG
 AGGCTGGAGCGCTTGAACATCCAGAGGGACAGCAGCATGAAACCCTCAAGTGTCCACCAGCAGCGTCA
 GCAGTGGGGCCACGGTGGCAGCAGCGTGTATGCAGCCACCTGCCAAAATTCCTGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210779 representing NM_012728
 Red=Cloning site Green=Tags(s)

MAVTPSLRLALLLLAVGRAGPRPQGATVSLSETVQKWREYRHQCQRFLTEAPLLATGLFCNRTFDDYA
 CWPDPGGPSFVNVSCPWYLPWASSVLQGHVYRFCTAEGIWLHKDNSSLPWRDLSECEESKQGERNSPEEQ
 LLSLYIIYTVGYALSFSALVIASAILVSRHLHCTRNYIHLNLFASFILRALSVF IKDAALKWMYSTAAQ
 QHQWDGLLSYQDSLGCRLVFLMQYCAANYWLLVEGVLYTLTLLAFSVFSEQRIFKLYLSIGWVPLLF
 VIPWGIKLYEDEGCWTRNSNMNYWLIIRLPILFAIGVNFLVIRVICIVIAKLANLMCKTDIKCRLA
 KSTLTLIPLLGTHEVIFAFVMDEHARGTLRFVKLFTLSFTSFQGMVAVLYCFVNNEVQMEFRKSWERW
 RLRLNIQRDSSMKPLKPTSSVSSGATVGSSVYAATCQNSCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1853_g05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_012728

ORF Size: 1389 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](#)

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

RefSeq Size: 3066 bp

RefSeq ORF: 1392 bp

Locus ID: 25051

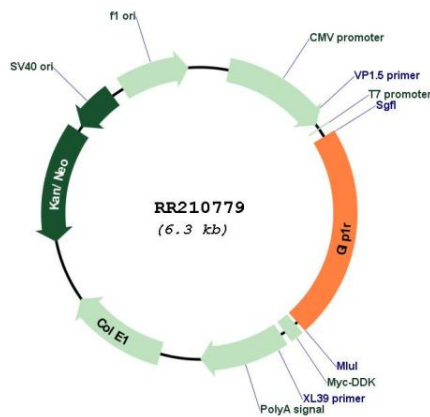
UniProt ID: [P32301](#)

Cytogenetics: 20p12

MW: 53.3 kDa

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

Product images:



Circular map for RR210779