

Product datasheet for **MC216256**

Glp1r (NM_021332) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glp1r (NM_021332) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glp1r
Synonyms:	GLP-1R; GLP1Rc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216256 representing NM_021332
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCACCCCAAGCCTCCTGCGCCTGGCGCTCCTGTGCTCGGGGCGGTGGCAGGGCCGGCCCC
 GCCCTCAGGGTACCACGGTGTCCCTCTCAGAGACGGTGCAGAAATGGAGAGAATACCGGGCGCAGTGCCA
 GCGTTTCCTCACGGAAGCGCCACTCCTGGCCACAGGCCTTTCTGCAACCGGACCTTTGATGACTATGCC
 TGCTGGCCGGATGGGCCCCAGGTTCTTCGTGAATGTCAGCTGCCCTGGTACCTGCCCTGGGCCAGTA
 GTGTGCTACAAGGCCATGTGTACCGTTCTGCACAGCTGAGGGTCTCTGGCTACATAAGGACAACTCCAG
 CCTGCCCTGGAGGGACCTGTGGAGTGTGAAGAGTCTAAGCGAGGGGAGAGAACTTTCTGAGGAACAG
 CTCCTGTCCTGTACATTATCTACACAGTGGGGTACGCACTTTCTTTCTCCGCTTGGTCATCGCTTCAG
 CCATCCTTGTGGCTTCCAGACACTTGCCTGCACCAGGAACACATCCACCTGAACCTGTTGCATCCTT
 CATCCTCCGAGCACTGTCCGTCTTCATCAAAGATGCTGCCCTCAAGTGGATGTATAGCACGGCTGCCAG
 CAACACCAAGTGGGATGGGCTCCTCCTATCAGGACTCTTAGGCTGCCGACTGGTGTTCCTGCTCATGC
 AGTACTGCGTGGCAGCCAACTACTACTGTTGCTGGTGGAAAGCGGTGTATCTATACACACTGCTGGCCTT
 CTCGGTGTTCCTGGAGCAGCGCATCTTCAAGCTGTATCTGAGCATAGGCTGGGGAGTTCCTGCTGTTT
 GTTATCCCATGGGGATTGTCAAGTATCTATGAGGACGAGGGCTGCTGGACTAGGAACTCCAATATGA
 ACTACTGGCTCATCATCCGATTGCCATTCTCTTTGCTATCGGCGTCACTTTCTTATCTTCATCCGTGT
 CATCTGCATAGTGGTCTCAAACCTGAAGGCTAATCTCATGTGCAAGACTGACATCAAATGCAGGCTTGCC
 AAGTCCACTCTGACTCTCATCCCCCTTCTGGGGACACATGAAGTCATCTTTGCCCTTGTGATGGACGAAC
 ACGCCCGAGGAACCTACGCTTCATCAAGCTGTTACAGAACTCTCCTTCACTTCTCCAGGGCTTGAT
 GGTGGCTATCCTGTACTGCTTTGTCAACAATGAGGTCCAGATGGAGTTTCGGAAATGCTGGGAGCGCTGG
 AGGCTGGAGCACTTGAATATCCAGAGAGACTGCAGCATGAAGCCCTCAAGTGTCCACCAGCAGCGTCA
 GCAGTGGGGCCACAGTGGGCAGCAGCGTACGACGCCACCTGCCAGAGTTCCTACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_021332

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_021332.2](#), [NP_067307.2](#)

RefSeq Size: 1480 bp

RefSeq ORF: 1392 bp

Locus ID: 14652

UniProt ID: [O35659](#)

Cytogenetics: 17 15.8 cM

Gene Summary: G-protein coupled receptor for glucagon-like peptide 1 (GLP-1) (PubMed:9568699). Ligand binding triggers activation of a signaling cascade that leads to the activation of adenylyl cyclase and increased intracellular cAMP levels (By similarity). Plays a role in regulating insulin secretion in response to GLP-1 (PubMed:9568699).[UniProtKB/Swiss-Prot Function]