

Product datasheet for **MR222965**

Glp1r (NM_021332) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glp1r (NM_021332) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR222965 representing NM_021332
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCACCCCAAGCCTCCTGCGCCTGGCGCTCCTGTGCTCGGGGCGGTGGCAGGGCCGGCCCC
 GCCTCAGGGTACCACGGTGTCCCTCTCAGAGACGGTGCAGAAATGGAGAGAATACCGGGCGCAGTGCCA
 GCATTTCTCACGGAAGCGCCACTCCTGGCCACAGGCCTTTCTGCAACCGGACCTTTGATGACTATGCC
 TGCTGGCCGATGGGCCCCAGGTTCTTCGTGAATGTCAGCTGCCCTGGTACCTGCCCTGGCCAGTA
 GTGTGCTACAAGGCCATGTGTACCGTTCTGCACAGCTGAGGGTCTCTGGCTACATAAGGACAACTCCAG
 CCTGCCCTGGAGGACCTGTGGAGTGTGAAGAGTCTAAGCGAGGGGAGAGAACTTTCTGAGGAACAG
 CTCCTGTCCTGTACATTATCTACACAGTGGGGTACGCACTTTCTTTCTCCGCTTGGTCATCGCTTCAG
 CCATCCTTGTGGCTTACAGACCTGCACTGCACCAGAACTACATCCACCTGAACCTGTTTGCATCCTT
 CATCCTCCGAGCACTGTCCGTCTTCATCAAAGATGCTGCCCTCAAGTGGATGTATAGCACGGCTGCCAG
 CAACACCAAGTGGGATGGGCTCCTCTCCTATCAGGACTCTTAGGCTGCCGACTGGTGTCTCTGCTATGC
 AGTACTGCGTGGCAGCCAACTACTACTGTTGCTGGTGGAAAGCGGTGTATCTATACACACTGCTGGCCTT
 CTCGGTGTCTCGGAGCAGCGCATCTTCAAGCTGTATCTGAGCATAGGCTGGGGAGTTCCGCTGCTGTTT
 GTTATCCCATGGGGATTGTCAAGTATCTATGAGGACGAGGGCTGCTGGACTAGGAACTCCAATATGA
 ACTACTGGCTCATCATCCGATTGCCATTTCTTTGCTATCGGCGTCAACTTTCTTATCTTCATCCGTTG
 CATCTGCATAGTGGTCTCAAAGTGAAGGCTAATCTCATGTGCAAGACTGACATCAAATGCAGGCTTGCC
 AAGTCCACTCTGACTCTCATCCCCCTTCTGGGGACACATGAAGTCACTTTGCCTTTGTGATGGACGAAC
 ACGCCCAGGAACCTACGCTTTCATCAAGCTGTTACAGAACTCTCCTCACTTCCAGGGCTTGAT
 GGTGGCTATCCTGTACTGCTTTGTCAACAATGAGAAGGTCCAGATGGAGTTTCGAAATGCTGGGAGCGC
 TGGAGGCTGGAGCACTTGAATATCCAGAGAGACTGCAGCATGAAGCCCTCAAGTGTCCACCAGCAGCG
 TCAGCAGTGGGGCCACAGTGGGACGAGCGGTACGCAGCCACCTGCCAGAGTTCCTACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222965 representing NM_021332
 Red=Cloning site Green=Tags(s)

MASTPSLLRLALLLLGA VGRAGPRPQGTTVSLSETVQKWREYRRQCQHFLTEAPLLATGLFCNRTFDDYA
 CWPDPGPPGSFVNVSCPWYLPWASSVLQGHVYRFCTA EGLWLHKDNSSLPWRDLSECEESKRGERNFPEEQ
 LLSLYIIYTVGYALSFSALVIASAILVGFRLHCTRNYIHLNLFASFILRALSVFIKDAALKWMYSTAAQ
 QHQWDGLLSYQDSLGCRLVFLMQYCAANYWLLVEGVLYTL LAFSVFSEQRIFKLYLSIGWVPLLF
 VIPWGIKLYYEDEGCWTRNSNMNYWLIIRLPILFAIGVNFLIFIRVICIVVSKLKANLMCKTDIKCRLA
 KSTLTLIPLLGTHEVIFAFVMDHARGTLRFIKLFTELSFTSFQGLMVAI LYCFVNNEKVQMEFRKCWER
 WRLEHLNIQRDCSMKPLKPTSSVSSGATVGSVYAATCQSSYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_021332

ORF Size: 1392 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_021332.2](#), [NP_067307.2](#)

RefSeq Size: 1480 bp

RefSeq ORF: 1392 bp

Locus ID: 14652

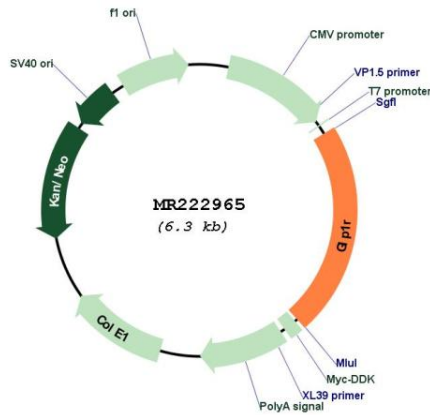
UniProt ID: [O35659](#)

Cytogenetics: 17 15.8 cM

MW: 53.5 kDa

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]

Product images:



Circular map for MR222965