

Product datasheet for **MR226307**

Glp2r (NM_175681) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glp2r (NM_175681) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glp2r
Synonyms:	9530092J08Rik; GLP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226307 representing NM_175681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGTCGGCTCTGGGGCCCTGGGACGCCCTTCTCGCCCTGCTTCTGCTGGTTCCATCAAGCAAGTTA
 CTACAGGATCTCTCCTTGAGGAGACAGTTCAGAAGTGGGCTCAGTATAAGGAGACGTGTCTGAAAGACTT
 GCTCGAGAAACCTTCTGGTGTATTTTGTAAATGGAACATTTGATAAGTACGTGTGCTGGCCTCATTCTTTT
 CCTGGAATGTCTCTGTCCCCTGTCTTACACTTACCTTGGTGAATAAAGAGAGCCCAGGAAGGGCCT
 ACAGACTGCTTGGCTCAGGGGACTTGGCAGAAGCAAGAGAAGTCCACAGATACTTGGCAGGATGAGTC
 AGAATGCTCAGAGAACCACAGCTTCAAACAAAACGTGGATCACTATCACCATACTTGTGTCCACCTTG
 CAGCTGATGTACTGTGGGCTACTCCCTGTCTCTCATCTCCCTTCTTGGCTTACACTCTTCTTGT
 TCCTTCGAAAACGACTGCACACGCAATTACATCCACATGAACCTGTTCCGTTCTGTTTCCCTGAGAGC
 TCTGGTTGCTTGTGAAGGACATGGTCTTCTACAACCTTACTCCAGGAGGCCTGACAGTGAGAGTGGA
 TGGATGTCATATCTGTACAGATTTCTGCCTCCTGCCGCTCTGTCCAGGTCTCCTGCACACTTTGTGG
 GCACCAATCACTTGTGGTTGCTGGTTGAAGGACTTTACCTCCATGCTCTGCTGGAGCCAACAGTGCTTCC
 TGAAAGGCGGCTGTGGCCCAAGTACCTGGTGGTGGGTTGGGCCTTCCCATGCTGTTTGTATTCCCTGG
 ATTTTTGTCCGAGCAAGCCTGGAGAATACAGGGTCTGGGCGAGTAAATGAGAATAAGAAAATCTGGTGGA
 TCATCAGAGGACCATTCTGCTTGTGTAAACAGTTAATTTCTTCACTTCTCCTCAAGATTCTCAAGCTTCT
 CATTTCTAAGTTCAGAGCTCATCAGATGTGCTTCAGAGACTACAAATATAGACTGGCAAAATCAACCCTG
 CTCTCTATTCTTTGATGGGGTTCATGAGTTCCTTCTCACTTTCTTCCAGCAGCAAGTTCAGGAT
 TTCAAGACTTATTCGTCTTCTCATCCAGTTGACCCTGAGCTTCCATGGATTCTGGTGGCCTTGCA
 GTACGGCTTTGCCAGTAGAGAGGTGAAGGCAGAGCTGAGAAAGACCTGGGGCCGCTTCTTATTAGCTCGC
 CACTGGGGCTGCAGAGCCTGTGTCTAGGGAAGAACTTCCGTTTCTGGGAAATGTTCCAAGAAGCTGT
 CGGAGGGAGATGGTGGCAGACTCCAGAAGCTGCAATCTTCAGGTGTGAGCTCACACCTGACCCTGG
 GAACCTGCGGGATCATGGGGCACAGCCTCACAGGGCCGTGGAGCTTGGCCCCGGCAAGCAGCCTGTCT
 GAGAGCAGCGAGGGAGACTTCACCCTGGCCAATACCATGGAGGAGATTCTGGAAGAGAGTGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226307 representing NM_175681
 Red=Cloning site Green=Tags(s)

MRRLWGPPTFLALLLVSIKQVTTGSLLEETVQKWAQYKETCLKDLLEKPSGVFCNGTFDKYVCWPHSF
 PGNVSVPCPSYLPWNNKESPGRAYRHCLAQGTWQKQENSTDTWQDESECSNHSFKQNVHDHYHTLLSTL
 QLMYTVGYSLSLISLFLALTLFLFLRKLHCTRNYIHMNLFASFILRALVVLVKDMVFYNSYSRRPDESEG
 WMSYLSSEISASCRSVQVLLHYFVGTNHLWLLVEGLYLHALLEPTVLPERRLWPKYLVVWAFPMFLVIPW
 IFVRSLENTGCWAVNENKIIWIIIRGPILLCVTVNFFIFLKILKLLISKFRAHQMCFRDYKYLAKSTL
 LLILLMGVHEFLFTFFDQVQGF SRLIRLFIQLTLSSFHGLVALQYGFASREVKAE LRK TWGRFLLAR
 HWGCRACVLGKNFRFLGKCSKLSSEGDAETLQKLQSSGVSSHLTAGNLRDHGAQPHRGRGAWPRASSLS
 ESSEGDFTLANTMEEIIEEIEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_b03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_175681

ORF Size: 1536 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_175681.3](#), [NP_783612.2](#)

RefSeq Size: 4873 bp

RefSeq ORF: 1539 bp

Locus ID: 93896

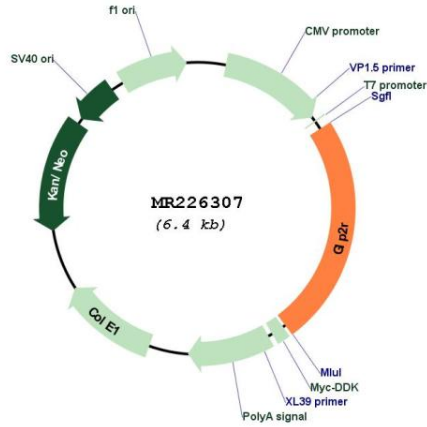
UniProt ID: [Q5IXF8](#)

Cytogenetics: 11 B3

MW: 59.6 kDa

Gene Summary: This is a receptor for glucagon-like peptide 2. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226307