

Product datasheet for MR201620

Gcg (NM_008100) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gcg (NM_008100) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gcg
Synonyms: Gl; GLP; GLP-1; Glu; P; PPG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201620 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACCATTACTTTGTGGCTGGATTGCTTATAATGCTGGTGAAGGCAGCTGGCAGCACGCCCTTC
 AAGACACAGAGGAGAACCCAGATCATTCCAGCTTCCAGACAGAAGCGCATGAGGACCCTGATGAGAT
 GAATGAAGACAAACGCCACTCACAGGGCACATTCACCAGCGACTACAGCAAATACCTGGACTCCCGCGT
 GCCAAGATTTGTGCAGTGTTGATGAACACCAAGAGGAACCGAACAACATTGCCAAACGTCATGATG
 AATTTGAGAGGCATGCTGAAGGGACCTTACCAGTGATGTGAGTCTTACTTGGAGGGCCAGGCAGCAA
 GGAATTCATTGCTTGGCTGGTGAAGGCCGAGGAAGGCGAGACTTCCAGAGAAGTCCGATTGCCGAG
 GAACTCGGCCGAGGCACGCTGATGGCTCCTTCTCTGACGAGATGAGCACCATTCTGATAATCTTGCCA
 CCAGGGACTTCATCAACTGGCTGATTCAAACCAAGATCACTGACAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201620 protein sequence
 Red=Cloning site Green=Tags(s)

MKTIYFVAGLLIMLVQGSWQHALQDTEENPRSFSPASQTEAHEDPDEMNEDEKRSQGTFTSDYSKYLDSRR
 AQDFVQWLMNTRNRNNIAKRHDEFERHAEGTFTSDVSSYLEGQAAKEFIAWLVKGRGRDFPEEVAIAE
 ELGRRHADGSFSDMSTILDNLATRDFINWLIQTKITDKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

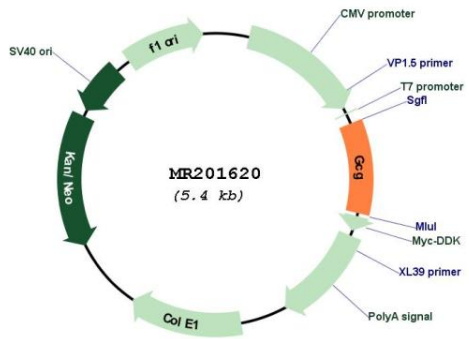


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MW: 20.9 kDa

Gene Summary: This gene encodes glucagon, a pancreatic hormone that counteracts the action of insulin in the bloodstream. The encoded protein is processed to generate glucagon and two other glucagon-like peptides, GLP1 and GLP2. Glucagon stimulates gluconeogenesis, glycogenolysis and lipolysis. GLP1 induces secretion of insulin, suppresses glucagon secretion and inhibits feeding. GLP2 induces intestinal absorption of glucose by stimulating the growth of intestinal cells and preventing apoptosis. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR201620