

Product datasheet for **MG201620**

Gcg (NM_008100) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gcg (NM_008100) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gcg
Synonyms: Gl; GLP; GLP-1; Glu; P; PPG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201620 representing NM_008100
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACCATTACTTTGTGGCTGGATTGCTTATAATGCTGGTCAAGGCAGCTGGCAGCACGCCCTTC
AAGACACAGAGGAGAACCCAGATCATTCCCAGCTTCCCAGACAGAAGCGCATGAGGACCCTGATGAGAT
GAATGAAGACAAACGCCACTCACAGGGCACATTCACCAGCGACTACAGCAAATACCTGGACTCCCGCGT
GCCAAGATTTGTGCAGTGGTTGATGAACACCAAGGAACCGAACAACATTGCCAAACGTCATGATG
AATTTGAGAGGCATGCTGAAGGGACCTTACCAGTGATGTGAGTCTTACTTGGAGGGCCAGGCAGCAA
GGAATTCATTGCTTGGCTGGTGAAGGCCGAGGAAGGCGAGACTTCCCAGAAGAAGTCGCCATTGCCGAG
GAACTCGGCCGAGGCACGCTGATGGCTCTTCTCTGACGAGATGAGCACCATTCTGATAATCTTGCCA
CCAGGGACTTCATCAACTGGCTGATTCAAACCAAGATCACTGACAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201620 representing NM_008100
Red=Cloning site Green=Tags(s)

MKTIYFVAGLLIMLVQGSWQHALQDTEENPRSFSPASQTEAHEDPDEMNEDEKRHSQGTFTSDYSKYLDSRR
AQDFVQWLMNTRNRNNIAKRHDEFERHAEGTFTSDVSSYLEGQAAKEFIAWLVKGRRRDFPEEVAIAE
ELGRRHADGSFSDMSTILDNLATRDFINWLIQTKITDKK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

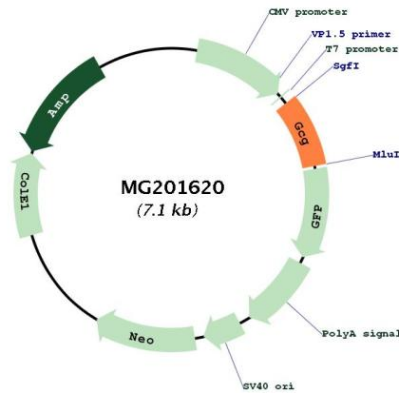


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Cytogenetics: 2 35.85 cM

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 MG201620