

## Product datasheet for **MC200864**

### Gcg (NM\_008100) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gcg (NM\_008100) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gcg  
**Synonyms:** Gl; GLP; GLP-1; Glu; P; PPG  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC012975 sequence for NM\_008100  
CCACGCGTCCGGGGCCAGGACACACTCAAAGTCCCAAGGGGACTCCCTCTGTCTACACCTGTTCCGAG  
CTCAGGCTCACAAGGCAGAAAAAATGAAGACCATTTACTTTGTGGCTGGATTGCTTATAATGCTGGT  
GCAAGGCAGCTGGCAGCAGCCCTTCAAGACACAGAGGAGAACCCAGATCATTCCAGCTTCCAGACA  
GAAGCGCATGAGGACCTGATGAGATGAATGAAGACAAACGCCACTCACAGGGCACATTCACCAGCGACT  
ACAGCAAATACCTGGACTCCCGCGTGCCCAAGATTTTGTGAGTGGTTGATGAACCAAGAGGAACCG  
GAACAACATTGCCAACGTCATGATGAATTTGAGAGGCATGCTGAAGGGACCTTTACCAGTGATGTGAGT  
TCTTACTTGGAGGGCCAGGCAGCAAAGGAATTCATTGCTTGGCTGGTGAAGGGCCGAGGAAGGCGAGACT  
TCCAGAAAGAAGTCGCCATTGCCGAGGAAGTCCGCGCAGGCACGCTGATGGCTCCTTCTCTGACGAGAT  
GAGCACCATTCTGGATAATCTTGCCACCAGGGACTTCATCAACTGGCTGATCAAACCAAGATCACTGAC  
AAGAAATAGGTATTTACCATTACAACCATCTTCACAACATCTCGTGCCAGTCACTTGGGATGTACAAT  
TTCAAAGCTATATCCTGAAGCTATATTGCTTTGCATGCAGATGAATACATTTCCCTCTAGCATTGTGTA  
CCCAACGATTGTATATGAATTAAGTATTTCCAGGATGTTGATAAAAAATAACAACTTTACAGTATGAAAA  
TTCTGGATTCTCATATTTTTTCTCCTCATTTTAAAGTCCCCCCCCGAGATTATTTTTCTGTGATATA  
ATTGTAATTATCGCAGTCACAACCTGGATTACTAACAGAAGACATGACCACCTGGTAACCGTAGT  
GGTAAACCTGAAAGAGAAGTCTTCTTGAATCCTTTACCATAAATGCACTCAGCTTTTGTATGATCAA  
GAATAGATTTAAATAAATATTTTCATTCTTTGTTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008100

**Insert Size:** 543 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC012975</a></u> , <u><a href="#">AAH12975</a></u>
<b>RefSeq Size:</b>	1102 bp
<b>RefSeq ORF:</b>	543 bp
<b>Locus ID:</b>	14526
<b>UniProt ID:</b>	<u><a href="#">P55095</a></u>
<b>Cytogenetics:</b>	2 35.85 cM
<b>Gene Summary:</b>	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]