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Product datasheet for MR201620L4V

Gcg (NM_008100) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gcg (NM_008100) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gcg
Synonyms:	Gl; GLP; GLP-1; Glu; P; PPG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008100
ORF Size:	543 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR201620).`
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.
RefSeq:	NM_008100.3
RefSeq Size:	1091 bp
RefSeq ORF:	543 bp
Locus ID:	14526
UniProt ID:	P55095
Cytogenetics:	2 35.85 cM

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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]