

Product datasheet for **MR207767L4V**

Gcgr (NM_008101) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gcgr (NM_008101) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gcgr
Synonyms:	GR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008101
ORF Size:	1458 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207767).
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_008101.1
RefSeq Size:	1929 bp
RefSeq ORF:	1458 bp
Locus ID:	14527
UniProt ID:	Q61606
Cytogenetics:	11 E2



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Gene Summary:

G-protein coupled receptor for glucagon that plays a central role in the regulation of blood glucose levels and glucose homeostasis. Regulates the rate of hepatic glucose production by promoting glycogen hydrolysis and gluconeogenesis. Plays an important role in mediating the responses to fasting. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Promotes activation of adenylate cyclase. Besides, plays a role in signaling via a phosphatidylinositol-calcium second messenger system.
[UniProtKB/Swiss-Prot Function]