

Recombinant Mouse GCGR Protein (27-143 aa), His-tagged

Cat. No. GCGR-2338M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GCGR Protein (27-143 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	Yeast
ProteinLength	27-143 aa
Description	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 syst.
Form	Tris-based buffer,50% glycerol
Molecular Mass	15.8 kDa
AA Sequence	AQVMDFLFEKWKLYSDQCHHNLSELLPPPTLVCNRTFDKYSCWPDTPPNTTANISC PWYLPWYHKVQHRLVFKRCGPDGQWVRGPRGQPWRNASQCQLDDEEIEVQKGV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	AKMYSSQQ
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	Gcgr glucagon receptor [<i>Mus musculus</i>]
Official Symbol	GCGR
Synonyms	GCGR; glucagon receptor; GL-R; GR;
Gene ID	14527
mRNA Refseq	NM_008101
Protein Refseq	NP_032127
UniProt ID	Q61606

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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