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Datasheet for ABIN7121228

Glucagon Receptor Protein (GCGR) (Fc Tag)

Overview

Quantity:	50 µg
Target:	Glucagon Receptor (GCGR)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glucagon Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse GCGR / Glucagon receptor Protein, Fc Tag
Sequence:	Ala 27 - Lys 137
Characteristics:	Mouse GCGR, Fc Tag (GCR-M5254) is expressed from human 293 cells (HEK293). It contains AA Ala 27 - Lys 137 (Accession # Q61606-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Glucagon Receptor (GCGR)
Alternative Name:	GCGR / Glucagon receptor (GCGR Products)
Background:	Synonyms: Glucagon R, GCGR, Glucagon receptor, 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

Target Details

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.

Molecular Weight: 39.5 kDa

Pathways: [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 39.5 kDa. The protein migrates as 50-65 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5

Storage: -20 °C

Storage Comment: -20°C