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Datasheet for ABIN7316837

**Glucagon Receptor Protein (GCGR) (Biotin,His-Avi Tag)**

## Overview

Quantity:	200 µg
Target:	Glucagon Receptor (GCGR)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glucagon Receptor protein is labelled with Biotin,His-Avi Tag.

## Product Details

Purpose:	Biotinylated Human GCGR / Glucagon receptor Protein, His,Avitag™ (MALS verified)
Sequence:	Ala 26 - Lys 136
Characteristics:	Biotinylated Human GCGR / Glucagon receptor, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Ala 26 - Lys 136 (Accession # P47871-1).
Purity:	90,00 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

## Target Details

Target:	Glucagon Receptor (GCGR)
Alternative Name:	GCGR ( <a href="#">GCGR Products</a> )
Background:	Synonyms:Glucagon R, GCGR,Glucagon receptor,Description:G-protein coupled receptor for

## Target Details

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.

Molecular Weight: 16.6 kDa

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

## Application Details

Comment: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 16.6 kDa. The protein migrates as 27-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C