

Active Recombinant Human GCGR protein, His-Avi-tagged, Biotinylated

Cat. No. GCGR-1495H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human GCGR protein(Ala26-Lys136), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	26-136 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Biotinylated Human GCGR / Glucagon receptor, His,Avitag immobilized on CM5 Chip can bind GLP-1 (7-37) with an affinity constant of 48.5 µM as determined in a SPR assay (Biacore 8K).
Molecular Mass	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.
Proteinlength	Ala26-Lys136
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

 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

Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	GCGR glucagon receptor [Homo sapiens]
Official Symbol	GCGR
Synonyms	GCGR; glucagon receptor; GGR; GL-R; FLJ97182; MGC138246;
Gene ID	2642
mRNA Refseq	NM_000160
Protein Refseq	NP_000151
MIM	138033
UniProt ID	P47871

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