

PRODUCT INFORMATION

Tag C-Flag Tag

GCGR Target

Synonyms GGR; GL-R; MVAH

Human GCGR full length protein-synthetic Description

nanodisc **Delivery** In Stock **Uniprot ID** P47871 **Expression Host HEK293**

Druggable Genome, GPCR, Transmembrane **Protein Families**

Protein Pathways Neuroactive ligand-receptor interaction

The human full length GCGR protein has a MW of **Molecular Weight**

54.0 kDa

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

Background 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

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C(Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution.

Usage Research use only Conjugate Unconjugated

Figure 1. Elisa plates were pre-coated with Flag Tag GCGR-Nanodisc (0.2µg/per well). Serial diluted anti-GCGR monoclonal antibody (BME100142) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GCGR monoclonal antibody binding with GCGR-Nanodisc is 90.10ng/ml.

Figure2. Human GCGR-Nanodisc, Flag Tag on SDS-PAGE



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