Human GCGR full length protein-synthetic nanodisc

Cat. No. FLP100085

PRODUCT INFORMATION

Tag	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** C-Flag Tag
Target	GCGR
Synonyms	GGR; GL-R; MVAH
Description	Human GCGR full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P47871
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length GCGR protein has a MW of 54.0 kDa
Background	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 system.
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for
Storage&Shipping	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). Lyophilized proteins are shipped at ambient temperature.
Usage	Research use only
Conjugate	Unconjugated

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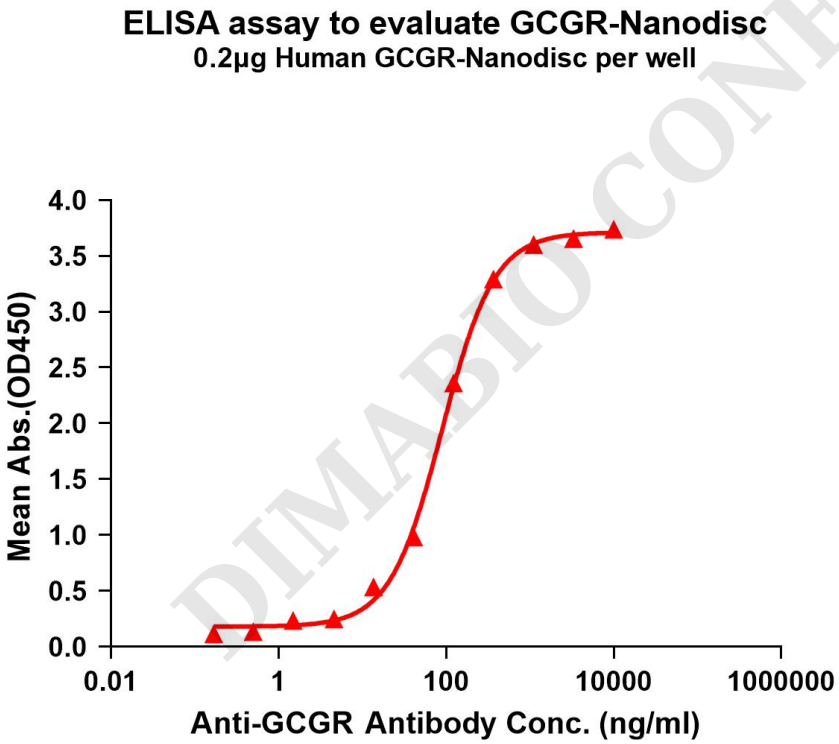


Figure1. Elisa plates were pre-coated with Flag Tag GCGR-Nanodisc (0.2μg/per well). Serial diluted anti-GCGR monoclonal antibody (BME100142) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GCGR monoclonal antibody binding with GCGR-Nanodisc is 90.10ng/ml.

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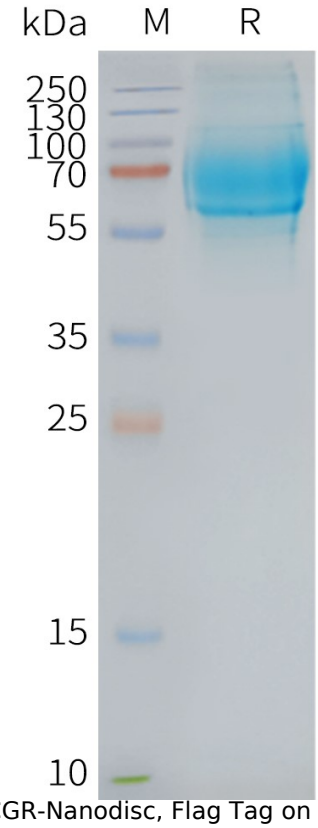


Figure2. Human GCGR-Nanodisc, Flag Tag on SDS-PAGE

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