PRODUCT INFORMATION

Tag	C-Flag Tag
Target	GLP2R
Synonyms	GLP-2-R; GLP-2R
Description	Human GLP2R full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	O95838
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length GLP2R protein has a MW of 63.0 kDa
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.
Background	A G protein-coupled receptor that is closely related to the glucagon receptor and binds to glucagon-like peptide-2 (GLP2). Signalling through GLP2 stimulates intestinal growth and increases villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis.
Usage	Research use only
Conjugate	Unconjugated

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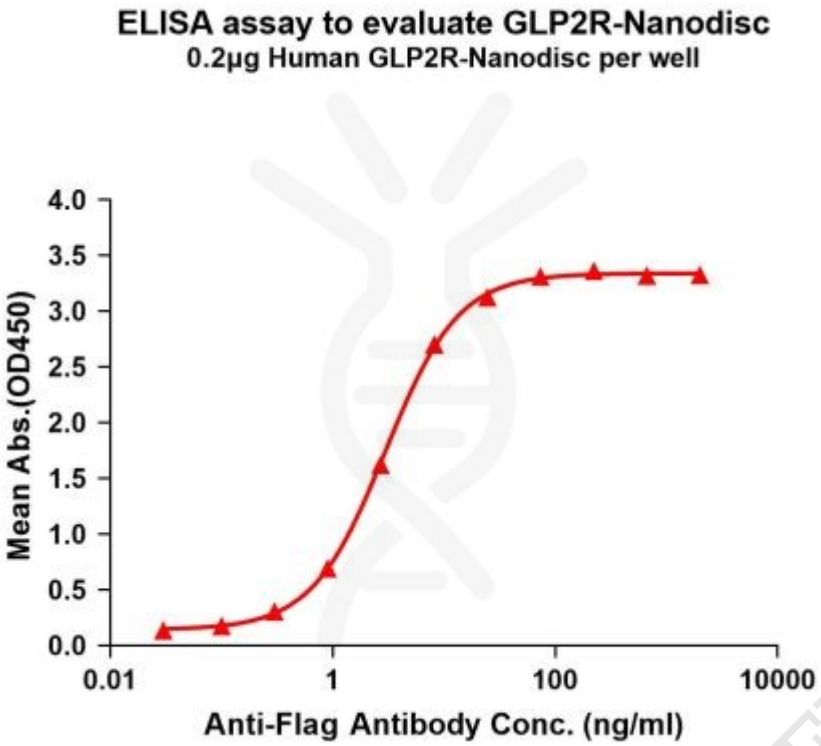

Figure1. Elisa plates were pre-coated with Flag Tag GLP2R-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GLP2R-Nanodisc is 2.975ng/ml.

Figure2. Human GLP2R-Nanodisc, Flag Tag on SDS-PAGE

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