

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	GLP2R
Synonyms	GLP-2-R; GLP-2R
Description	Human GLP2R full length protein-synthetic nanodisc
Uniprot ID	O95838
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
Delivery	In Stock
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 specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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



ELISA assay to evaluate GLP2R-Nanodisc
0.2µg Human GLP2R-Nanodisc per well

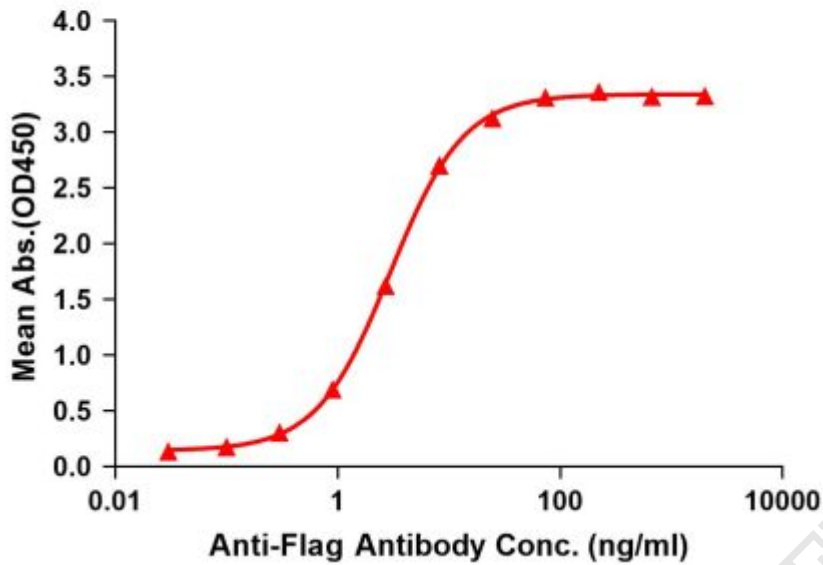


Figure1. Elisa plates were pre-coated with Flag Tag GLP2R-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GLP2R-Nanodisc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



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

