

## HUMAN GLP2R FULL LENGTH PROTEIN

**Cat.#:** 11094

**Product Name:** Human GLP2R Full Length Protein

**Size:** 10 µg; 50 µg and 100 µg

**Synonyms:** GLP-2-R; GLP-2R

**Target:** GLP2R

**UNIPROT ID:** O95838

**Description:** Human GLP2R Full Length Protein-Synthetic Nanodisc

**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.

**Species/Host:** HEK293

**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.

**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.

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

**Protein Pathways:** Neuroactive ligand-receptor interaction

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

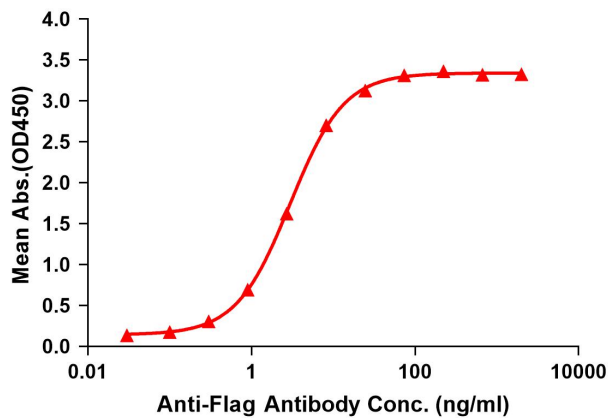


Figure 1. Elisa plates were pre-coated with Flag Tag GLP2R-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GLP2R-Nanodisc is 2.975ng/ml.

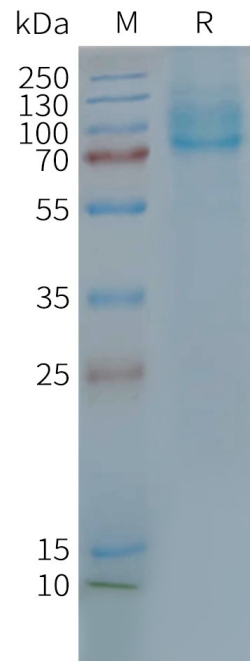


Figure 2. Human GLP2R-Nanodisc, Flag Tag on SDS-PAGE