

# FITC-equivalent Biotinylated GLP-1R Protein-Nanodisc

Cat. No. GLP-HM4N185BF

## Description

<b>Source</b>	Recombinant FITC-equivalent Biotinylated GLP-1R Protein-Nanodisc is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Met1-Ser463.
<b>Accession</b>	P43220
<b>Molecular Weight</b>	The protein has a predicted MW of 85.8 kDa.
<b>Wavelength</b>	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

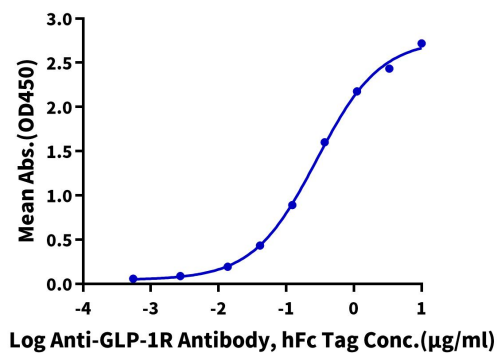
Glucagon-like peptide-1 receptor (GLP-1R) is a critical therapeutic target for type 2 diabetes mellitus (T2DM). GLP-1R emerged as an important pharmacological target for addressing T2DM, as it actively contributes to maintaining glucose homeostasis while promoting both β cell proliferation and insulin release. The impact of GLP-1R agonists such as semaglutide extends beyond diabetes control: they play a multifaceted role in regulating blood glucose levels by reducing hunger, moderating food intake, and managing body weight. Notably, GLP-1R agonists inhibit cancer progression in some malignant tumors.

## Assay Data

### ELISA Data

#### FITC-equivalent Biotinylated GLP-1R Nanodisc, His Tag ELISA

0.5µg FITC-equivalent Biotinylated GLP-1R Nanodisc, His Tag Per Well



Immobilized FITC-equivalent Biotinylated GLP-1R Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-GLP-1R Antibody, hFc Tag with the EC50 of 0.28µg/ml determined by ELISA (QC Test).