Biotinylated Human GIPR Nanodisc

Cat. No. GIP-HM14RNB

Description

Source	Recombinant Biotinylated Human GIPR Nanodisc is expressed from HEK293 with His tag at the C-terminus.
	It contains Met1-Cys466.
Accession	P48546-1
Molecular Weight	The protein has a predicted MW of 63.8 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.

Formulation and Storage

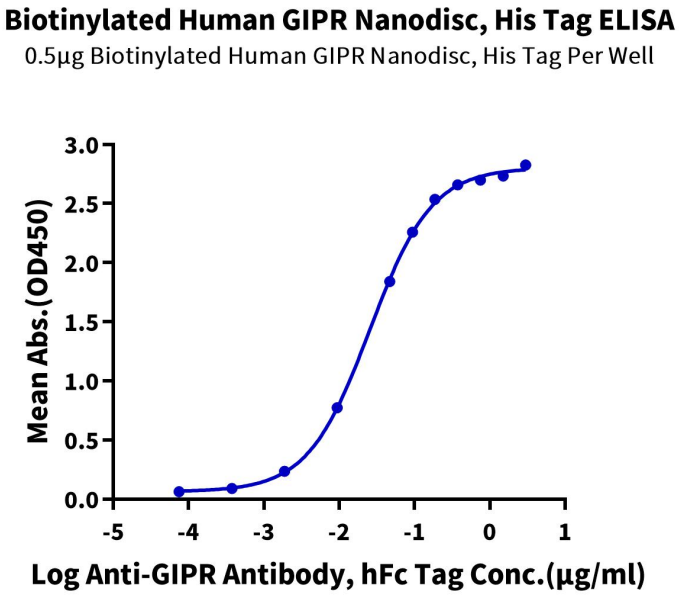
Formulation	Supplied as 0.22 μm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The gastric inhibitory polypeptide receptor (GIPR), a G protein-coupled receptor (GPCR) that regulates glucose metabolism and insulin secretion, is a target for the development of therapeutic agents to address type 2 diabetes and obesity.

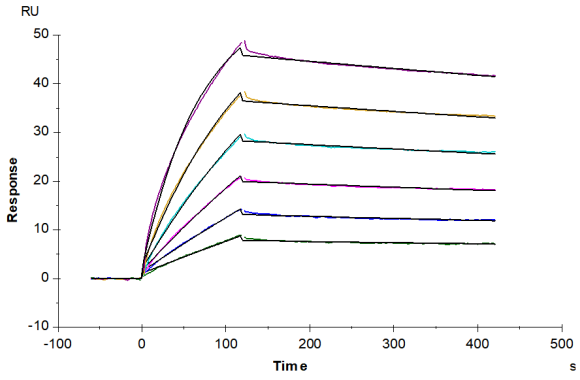
Assay Data

ELISA Data



Immobilized Biotinylated Human GIPR Nanodisc, His Tag at 5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-GIPR Antibody, hFc Tag with the EC50 of 25.5ng/ml determined by ELISA (QC Test).

SPR Data



Biotinylated Human GIPR Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-GIPR Antibody, hFc Tag with an affinity constant of 18.70 nM as determined in SPR assay (Biacore T200).

BLI Data

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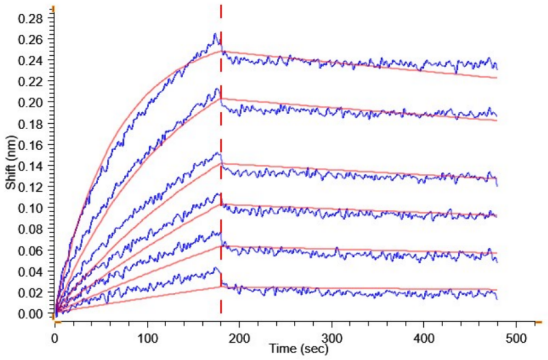
Assay Data



Loaded Biotinylated Human GIPR Nanodisc, His Tag on Streptavidin-Biosensor can bind Anti-GIPR Antibody, hFc Tag with an affinity constant of 19.60 nM as determined in BLI assay (Gator® Prime).