

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	GPR39
Synonyms	G-protein coupled receptor 39
Description	Human GPR39 full length protein-synthetic nanodisc
Uniprot ID	O43194
Protein Families	GPCR, Transmembrane, Druggable Genome,
Protein Pathways	Cancer,
Molecular Weight	The human full length GPR39 protein has a MW of 51.3kDa
Delivery	6~8weeks
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	This gene is a member of the ghrelin receptor family and encodes a rhodopsin-type G-protein-coupled receptor (GPCR). The encoded protein is involved in zinc-dependent signaling in epithelial tissue in intestines, prostate and salivary glands. The protein may also be involved in the pathophysiology of depression. [provided by RefSeq, Jun 2016]
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate GPR39-Nanodisc 0.2 μ g Human GPR39-Nanodisc per well

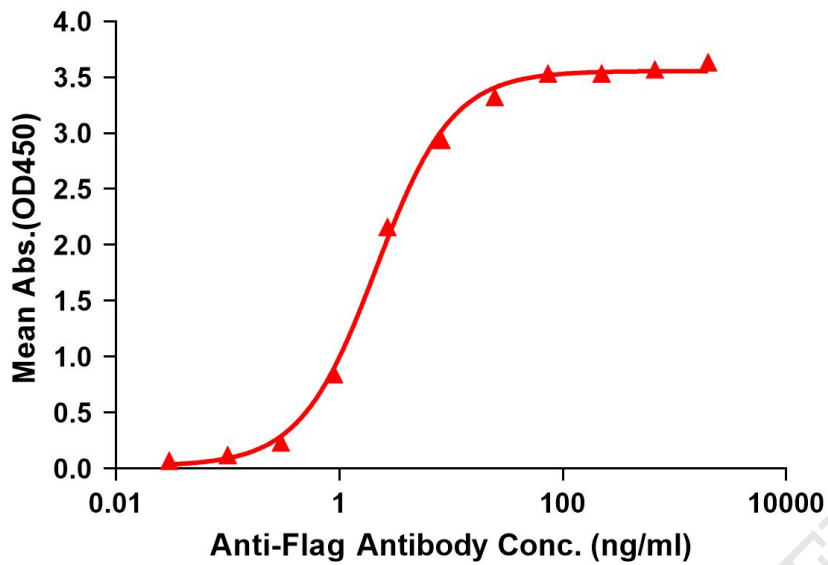


Figure 1. Elisa plates were pre-coated with Flag Tag GPR39-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR39-Nanodisc is 2.138ng/ml.

kDa M R

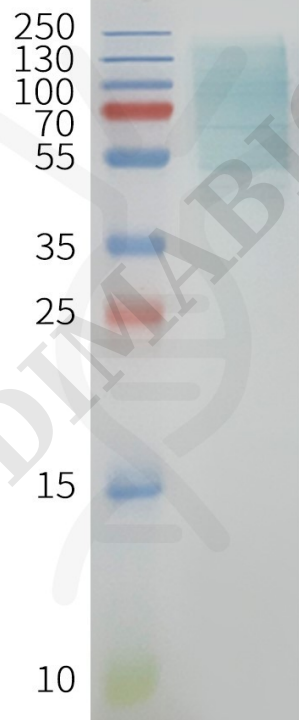


Figure 2. Human GPR39-Nanodisc, Flag Tag on SDS-PAGE

