PRODUCT INFORMATION

Tag	C-Flag Tag
Target	GPR87
Synonyms	FKSG78; GPR95; KPG_002
Description	Human GPR87 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q9BY21
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length GPR87 protein has a MW of 41.4 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. 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.
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 protein is a G protein-coupled receptor and is located in a cluster of G protein-couple receptor genes on chromosome 3. The protein has been shown to be overexpressed in lung squamous cell carcinoma and regulated by p53.
Usage	Research use only
Conjugate	Unconjugated

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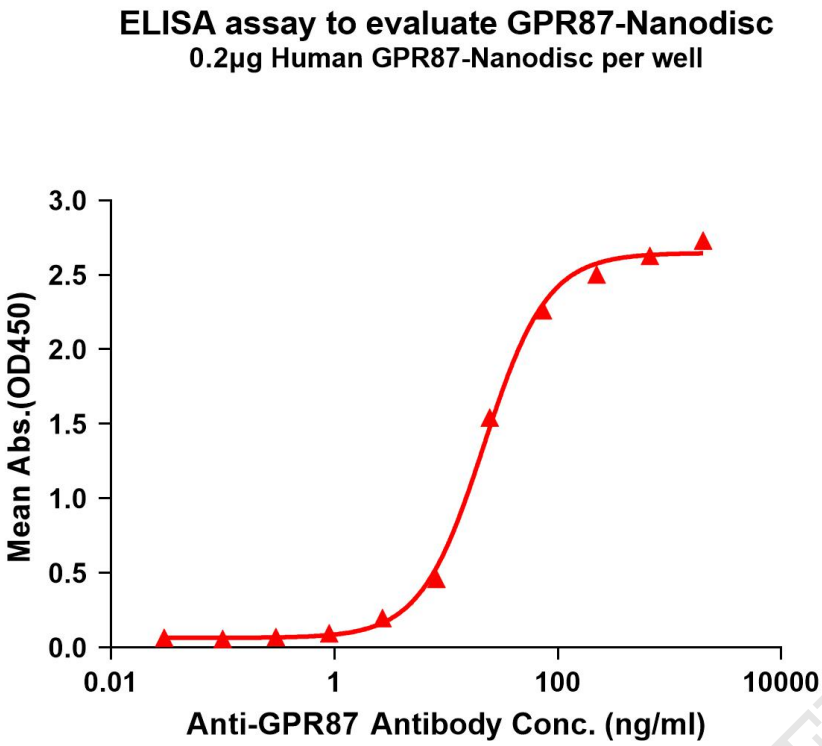

Figure 1. Elisa plates were pre-coated with Flag Tag GPR87-Nanodisc (0.2μg/per well). Serial diluted anti-GPR87 monoclonal antibody (DMC100478) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPR87 monoclonal antibody binding with GPR87-Nanodisc is 21.83ng/ml.

Figure 2. Human GPR87-Nanodisc, Flag Tag on SDS-PAGE

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