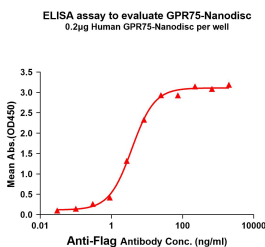


# Synthetic Nanodisc Human GPCR GPR75 Protein (A318467)

## Specifications:

Name:	Synthetic Nanodisc Human GPCR GPR75 Protein
Description:	Synthetic nanodiscs offer a stable and biologically relevant environment that closely mimics cell membranes and enables full-length transmembrane human GPCR GPR75 protein to be purified and analysed in vitro.
Applications:	Western Blot, ELISA
Expression System:	HEK293 cells
Nature:	Synthetic
Protein Species:	Human
Protein Length:	Full length protein.
Molecular Weight:	Full length human GPCR GPR75 protein has a MW of 59.4 kDa.
Conjugate:	Unconjugated
Product Form:	Lyophilized
Concentration:	Reconstitution dependent.
Formulation:	Lyophilized from nanodisc solubilization buffer (20mM Tris-HCl, 150mM NaCl, pH 8.0). Normally 5%-8% Trehalose is added as a protectant before lyophilization.
Storage:	Shipped at 4°C. Lyophilized: Store at -20°C to -80°C. Reconstituted: Aliquot and store at -80°C. Product is stable for one year. Avoid freeze/thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

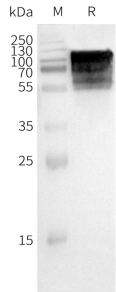
## Images:



ELISA plates were pre-coated with Synthetic Nanodisc Human GPCR GPR75 Protein (A318467) (0.2 µg/well). Serial diluted Anti-Flag Tag Antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From this data, the EC50 for Anti-Flag Tag Antibody binding with GPR75-Nanodisc is 3.747 µg/ml.

## Synthetic Nanodisc Human GPCR GPR75 Protein (A318467)

Images continued:



Western blot analysis of Synthetic Nanodisc Human GPCR GPR75 Protein (A318467) with Anti-Flag Tag Antibody at 1:5,000 dilution, followed by Goat Anti-Rabbit IgG Antibody (HRP) at 1:5,000 dilution.



Diagram showing how synthetic nanodiscs containing full-length multi-pass transmembrane proteins in a phospholipid bilayer are generated from native cell membranes.