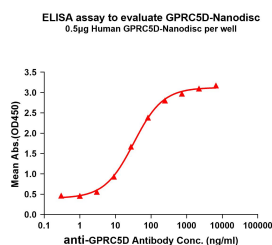


# Synthetic Nanodisc Human GPCR GPRC5D Protein (A318486)

## Specifications:

Name:	Synthetic Nanodisc Human GPCR GPRC5D Protein
Description:	Synthetic nanodiscs offer a stable and biologically relevant environment that closely mimics cell membranes and enables full-length transmembrane human GPCR GPRC5D protein to be purified and analysed in vitro.
Applications:	ELISA, SDS-PAGE
Expression System:	HEK293 cells
Nature:	Synthetic
Protein Species:	Human
Protein Length:	Full length protein.
Molecular Weight:	Full length human GPCR GPRC5D protein has a MW of 38.6 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.

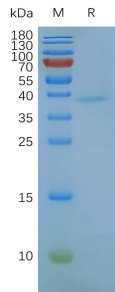
## Images:



ELISA plates were added with Flag Tag Synthetic Nanodisc Human GPRC5D Protein (A318486) (0.5 µg/per well) on an Anti-Flag Tag Antibody pre-coated (0.5 µg/per well) plate. Serial diluted Anti-GPRC5D Antibody [DM90] (Biotin) - Azide free (A318615) solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC<sub>50</sub> for Anti-GPRC5D Antibody [DM90] (Biotin) - Azide free (A318615) binding with Synthetic Nanodisc Human GPRC5D Protein (A318486) is 32.86 µg/ml.

## Synthetic Nanodisc Human GPCR GPRC5D Protein (A318486)

Images continued:



Synthetic Nanodisc Human GPCR GPRC5D Protein (A318486) on SDS-PAGE under reducing conditions.



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