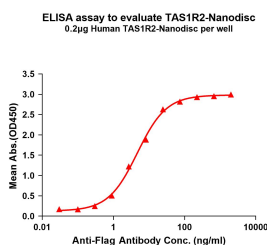


Synthetic Nanodisc Human GPCR TAS1R2 Protein (A325182)

Specifications:

Name:	Synthetic Nanodisc Human GPCR TAS1R2 Protein
Description:	Synthetic nanodiscs offer a stable and biologically relevant environment that closely mimics cell membranes and enables full-length transmembrane human GPCR TAS1R2 protein to be purified and analysed in vitro.
Applications:	SDS-PAGE, ELISA
Expression System:	HEK293 cells
Nature:	Synthetic
Protein Species:	Human
Protein Length:	Full length protein.
Molecular Weight:	Full length human GPCR TAS1R2 protein has a MW of 95.2 kDa.
Conjugate:	Unconjugated
Product Form:	Lyophilized
Concentration:	Reconstitution dependent.
Formulation:	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.
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.

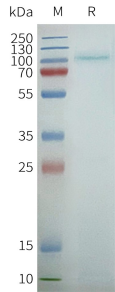
Images:



ELISA plates were pre-coated with Synthetic Nanodisc Human GPCR TAS1R2 Protein (A325182) at 0.2µg/per well. Serial diluted Anti-Flag Monoclonal Antibody solutions were added, washed, and incubated with a secondary antibody before reading the ELISA. From the above data, the EC50 for Anti-Flag Monoclonal Antibody binding with Synthetic Nanodisc Human GPCR TAS1R2 Protein (A325182) is 4.703ng/ml.

Synthetic Nanodisc Human GPCR TAS1R2 Protein (A325182)

Images continued:



SDS-PAGE of Synthetic Nanodisc Human GPCR TAS1R2 Protein (A325182) under reducing conditions.

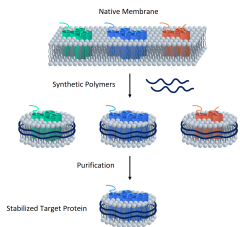


Diagram showing how synthetic nanodiscs containing full-length multi-pass transmembrane proteins in a phospholipid bilayer are generated from native cell membranes.