

HUMAN ADGRD1 FULL LENGTH PROTEIN

Cat.#: 11108

Product Name: Human ADGRD1 Full Length Protein

Size: 10 µg; 50 µg and 100 µg

Synonyms: GPR133; PGR25

Target: ADGRD1

UNIPROT ID: Q6QNK2

Description: Human ADGRD1 Full Length Protein-Synthetic Nanodisc

Background: The adhesion G-protein-coupled receptors (GPCRs), including GPR133, are membrane-bound proteins with long N termini containing multiple domains. GPCRs, or GPRs, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.

Species/Host: HEK293

Molecular Weight: The human full length ADGRD1 protein has a MW of 96.5 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.

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.

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: N/A

ELISA assay to evaluate ADGRD1-Nanodisc 0.2µg Human ADGRD1-Nanodisc per well

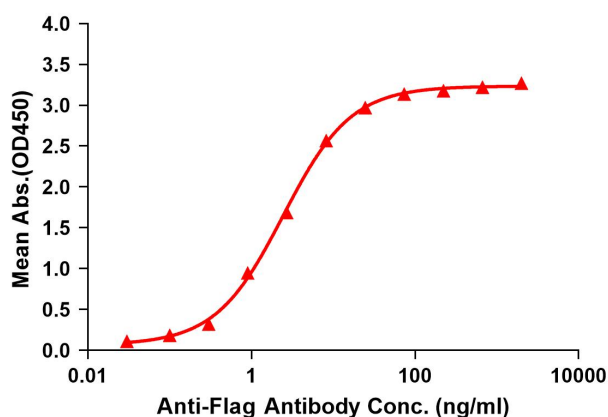


Figure 1. Elisa plates were pre-coated with Flag Tag ADGRD1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRD1-Nanodisc is 2.450ng/ml.



Figure 2. Human ADGRD1-Nanodisc, Flag Tag on SDS-PAGE