

## 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

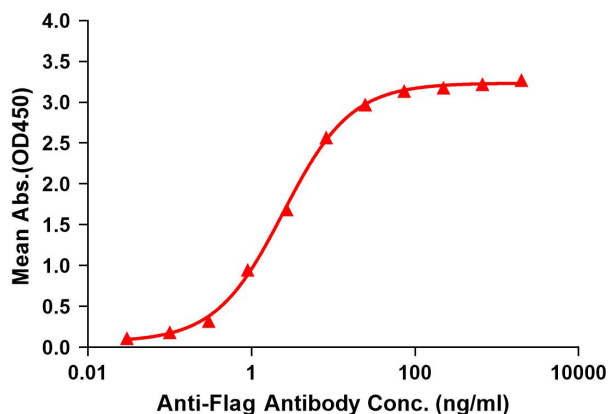


Figure 1. Elisa plates were pre-coated with Flag Tag ADGRD1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRD1-Nanodisc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



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