

HUMAN ADGRG1 FULL LENGTH PROTEIN

Cat.#: 11085

Product Name: Human ADGRG1 Full Length Protein

Size: 10 µg; 50 µg and 100 µg

Synonyms: BFPP; BPPR; GPR56; TM7LN4; TM7XNI

Target: ADGRG1

UNIPROT ID: Q9Y653

Description: Human ADGRG1 Full Length Protein-Synthetic Nanodisc

Background: A member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria.

Species/Host: HEK293

Molecular Weight: The human full length ADGRG1 protein has a MW of 77.7 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, GPCR, Transmembrane

Protein Pathways: N.A.

ELISA assay to evaluate ADGRG1-Nanodisc 0.2µg Human ADGRG1-Nanodisc per well

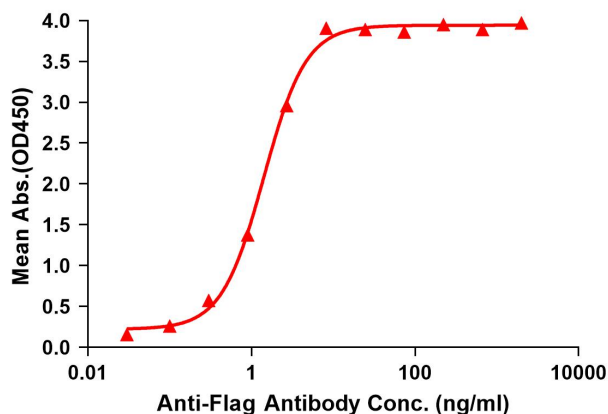


Figure 1. Elisa plates were pre-coated with Flag Tag ADGRG1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRG1-Nanodisc is 1.419ng/ml.



Figure 2. Human ADGRG1-Nanodisc, Flag Tag on SDS-PAGE