

PRODUCT INFORMATION

| | |
|---|--|
| Tag | C-Flag Tag |
| Target | ADGRG1 |
| Synonyms | BFPP; BPPR; GPR56; TM7LN4; TM7XN1 |
| Description | Human ADGRG1 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | Q9Y653 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | N.A. |
| 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. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. |
| 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. |
| 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. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate ADGRG1-Nanodisc 0.2 μ g Human ADGRG1-Nanodisc per well

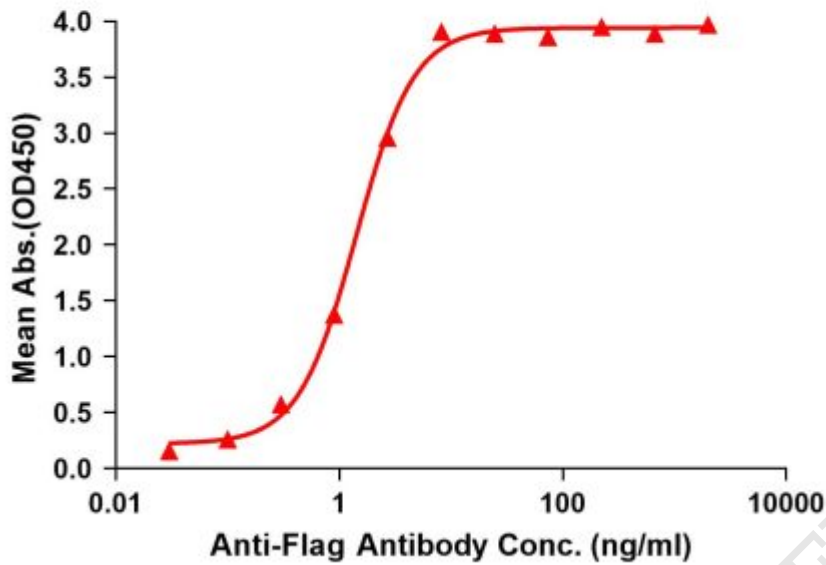


Figure1. Elisa plates were pre-coated with Flag Tag ADGRG1-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRG1-Nanodisc is 1.419ng/ml.



Figure2. Human ADGRG1-Nanodisc, Flag Tag on SDS-PAGE

