

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Tag                          | C-Flag Tag  |
| Target                       | GPR21   |
| Synonyms                     | N/A   |
| Description                  | Human GPR21 full length protein-synthetic nanodisc  |
| Delivery                     | In Stock  |
| Uniprot ID                   | Q99679  |
| Expression Host              | HEK293  |
| Protein Families             | Druggable Genome, GPCR, Transmembrane   |
| Protein Pathways             | N/A   |
| Molecular Weight             | The human full length GPR21 protein has a MW of 39.5 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. Please see Certificate of Analysis for   |
| 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 1 family. G-protein coupled receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. The encoded protein activates a Gq signal transduction pathway which mobilizes calcium. |
| Usage                        | Research use only   |
| Conjugate                    | Unconjugated  |



**ELISA assay to evaluate GPR21-Nanodisc**  
0.2μg Human GPR21-Nanodisc per well

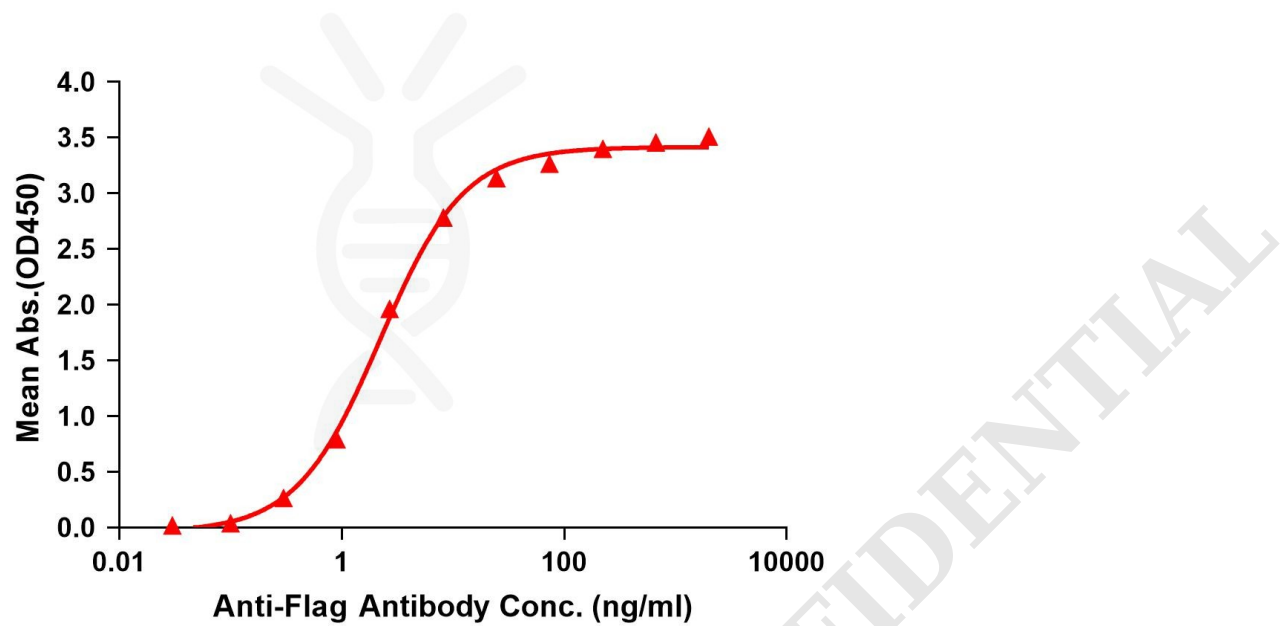


Figure 1. Elisa plates were pre-coated with Flag Tag GPR21-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR21-Nanodisc is 2.219ng/ml.

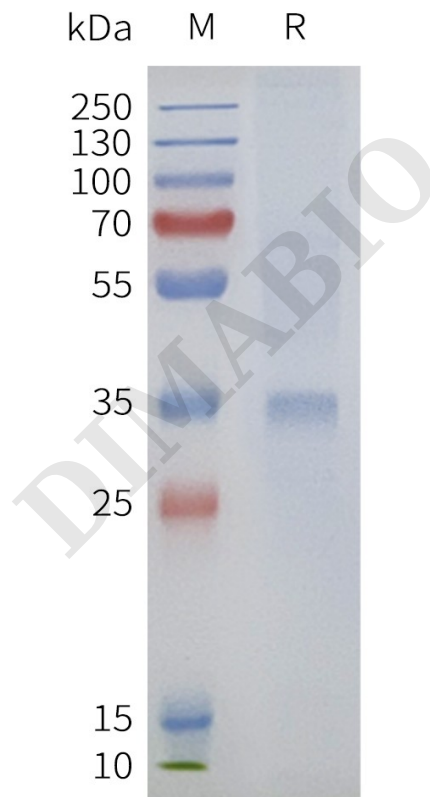


Figure 2. Human GPR21-Nanodisc, Flag Tag on SDS-PAGE

