

## PRODUCT INFORMATION

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|---|---|
| <b>Tag</b>                              | C-Flag Tag  |
| <b>Target</b>                           | GLP2R   |
| <b>Synonyms</b>                         | GLP-2-R; GLP-2R   |
| <b>Description</b>                      | Human GLP2R full length protein-synthetic nanodisc  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | 095838  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | Druggable Genome, GPCR, Transmembrane   |
| <b>Protein Pathways</b>                 | Neuroactive ligand-receptor interaction   |
| <b>Molecular Weight</b>                 | The human full length GLP2R protein has a MW of 63.0 kDa  |
| <b>Formulation &amp; Reconstitution</b> | 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 of reconstitution.  |
| <b>Storage&amp;Shipping</b>             | 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.   |
| <b>Background</b>                       | A G protein-coupled receptor that is closely related to the glucagon receptor and binds to glucagon-like peptide-2 (GLP2). Signalling through GLP2 stimulates intestinal growth and increases villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



**ELISA assay to evaluate GLP2R-Nanodisc**  
0.2 $\mu$ g Human GLP2R-Nanodisc per well

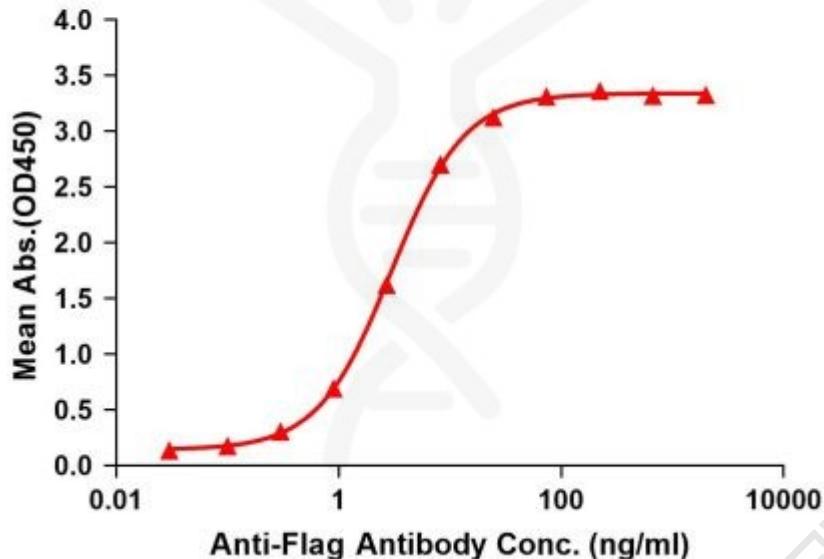


Figure1. Elisa plates were pre-coated with Flag Tag GLP2R-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GLP2R-Nanodisc is 2.975ng/ml.



Figure2. Human GLP2R-Nanodisc, Flag Tag on SDS-PAGE

