

PRODUCT INFORMATION

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| Tag | N-His, C-Single Strep Tag |
| Expression Host | E.coli |
| Target | GLP1R |
| Description | Human GLP1R cell-free full length protein-Nanodisc |
| Synonyms | GLP-1; GLP-1-R; GLP-1R |
| Uniprot ID | P43220 |
| Protein Families | Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane |
| Protein Pathways | Neuroactive ligand-receptor interaction |
| Molecular Weight | The human GLP1R cell-free full length protein-Nanodisc has a MW of 53.2kDa |
| Delivery | 1 week |
| Formulation & Reconstitution | Liquid, 50mM HEPES, 150mM NaCl, pH7.2 |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μ m) prior to use. |
| Storage&Shipping | Store at -80°C, Ship on dry ice. |
| Purity | >90% |
| Background | <p>A 7-transmembrane protein that functions as a receptor for glucagon-like peptide 1 (GLP-1) hormone, which stimulates glucose-induced insulin secretion. This receptor, which functions at the cell surface, becomes internalized in response to GLP-1 and GLP-1 analogs, and it plays an important role in the signaling cascades leading to insulin secretion. It also displays neuroprotective effects in animal models. Polymorphisms in this gene are associated with diabetes. The protein is an important drug target for the treatment of type 2 diabetes and stroke. Alternative splicing of this gene results in multiple transcript variants.</p> |
| Usage | Research use only |
| Conjugate | Unconjugated |



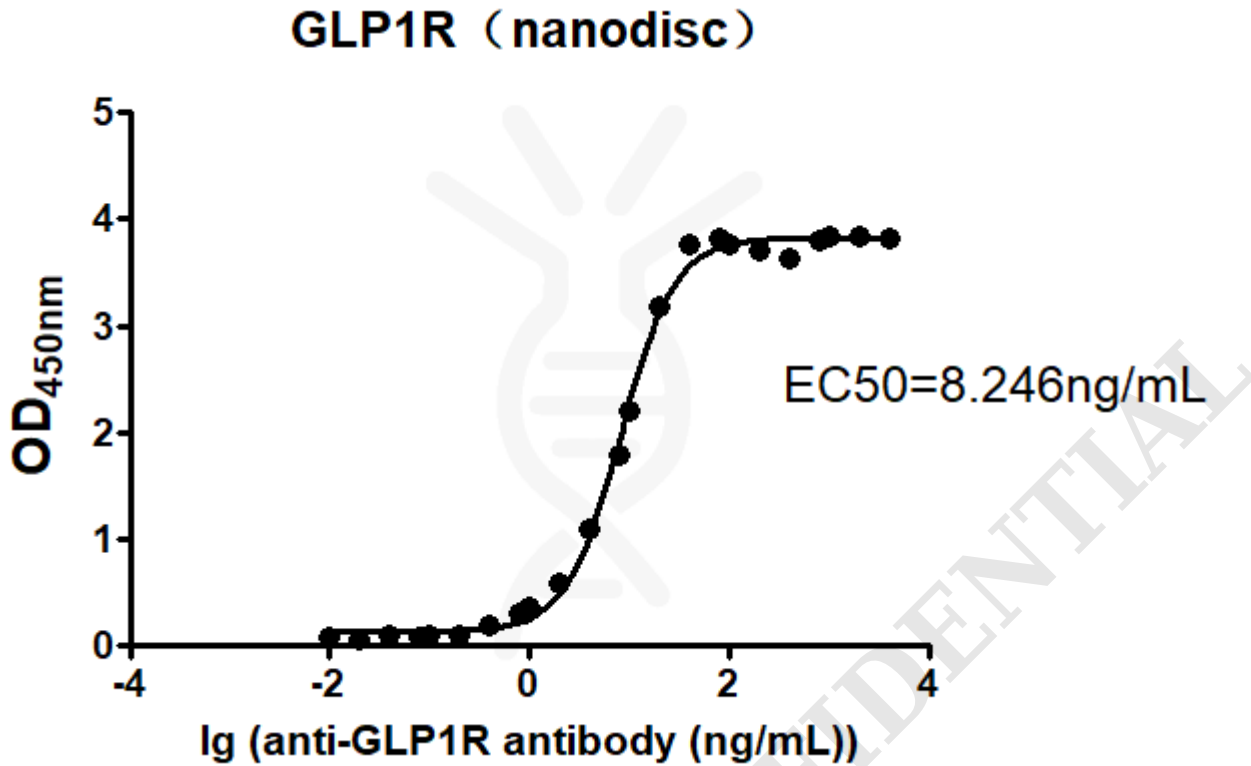


Figure 1. Elisa plates were pre-coated with N-His, C-Single Strep Tag GLP1R cell-free-Nanodisc (0.5 μ g/per well). Serial diluted anti-GLP1R antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC₅₀ for anti-GLP1R antibody binding with GLP1R cell-free-Nanodisc is 8.246 ng/mL.

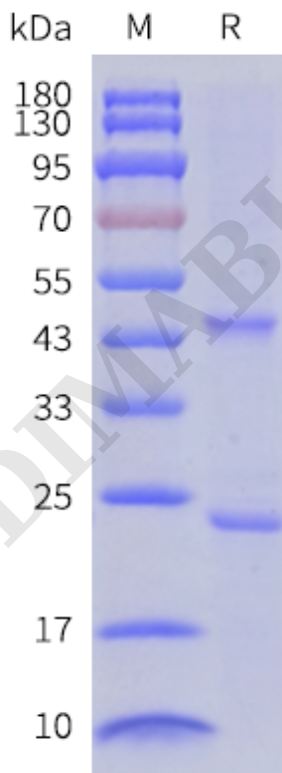


Figure 2. Human GLP1R cell-free-Nanodisc, N-His, C-Single Strep Tag on SDS-PAGE.

