

# Human GLP1R Full-Length Bioactive Membrane Protein

## HDFP102



### Product Information

**Product SKU:**

HDFP102

**Size:**

10µg

**Molecular Weight:**

The human full length GLP1R protein has a MW of 53.0 kDa

**Expression System:**

HEK293

**Uniprot:**

P43220

**Target:**

GLP1R

### Antibody Information

**Background:**

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.

**Description:**

Human GLP1R full length protein-synthetic nanodisc

**Protein Family:**

Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**Synonyms:**

GLP-1; GLP-1-R; GLP-1R

**Storage:**

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.

**Usage:**

Research use only

**Form:**

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.

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