

PRODUCT INFORMATION

Tag	N-His, C-Single Strep Tag
Expression Host	E.coli
Target	GLP1R
Description	Human GLP1R cell-free full length protein-Detergent
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-Detergent has a MW of 53.2kDa
Delivery	1 week
Formulation & Reconstitution	Liquid, 50mM HEPES, 150mM NaCl, 0.06M, 0.012%CHS, pH7.5
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage&Shipping	Store at -80°C, Ship on dry ice.
Purity	>85%
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



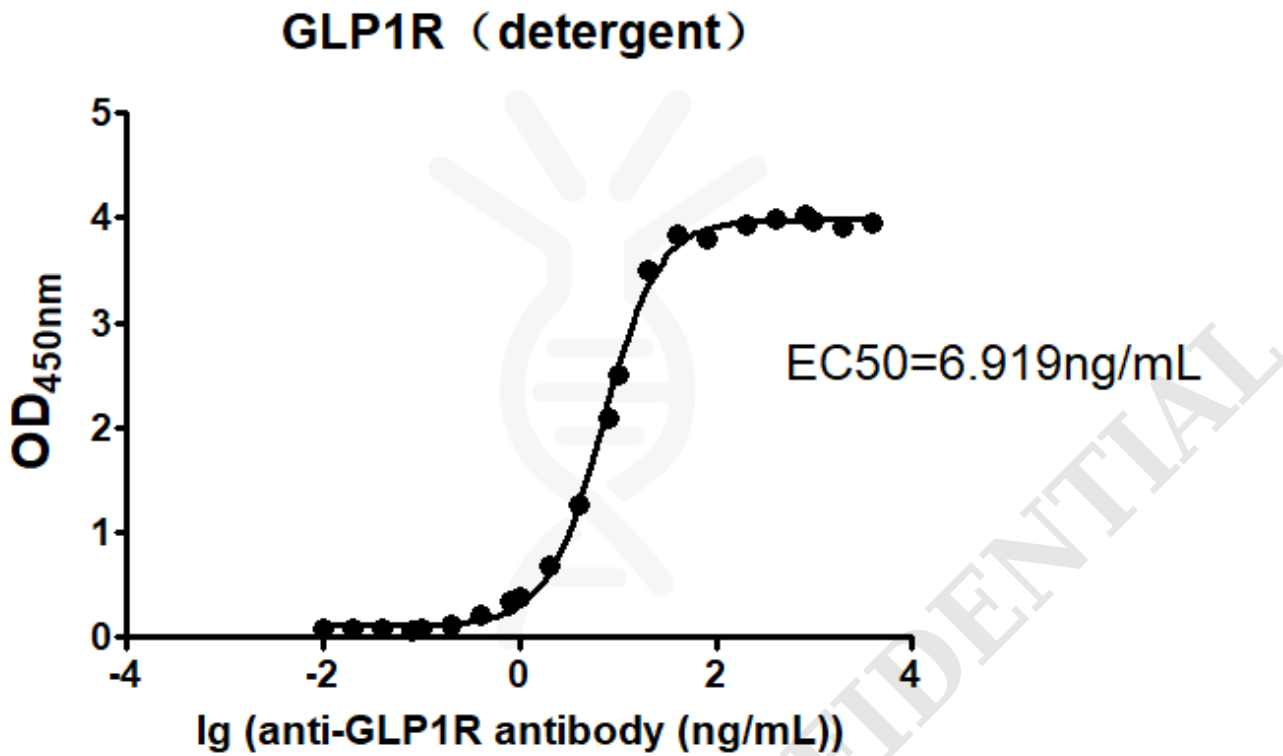


Figure 1. Elisa plates were pre-coated with N-His, C-Single Strep Tag GLP1R cell-free-Detergent (0.5 μ g/per well). Serial diluted anti-GLP1R antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GLP1R antibody binding with GLP1R cell-free-Detergent is 6.919 ng/mL.

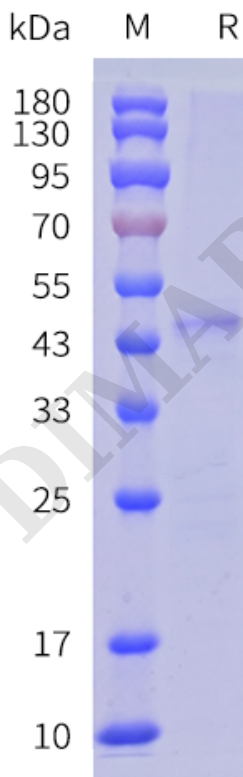


Figure 2. Human GLP1R cell-free-Detergent, N-His, C-Single Strep Tag on SDS-PAGE.

