

Recombinant Human GLP1R Protein, His-tagged

Cat. No. GLP1R-2755H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLP1R Protein (His92-Gly128*2) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His92-Gly128*2
Description	This gene encodes 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 12.0 kDa Accurate Molecular Mass: 13 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GLP1R glucagon like peptide 1 receptor [Homo sapiens (human)]
Official Symbol	GLP1R
Synonyms	GLP1R; glucagon like peptide 1 receptor; GLP-1; GLP-1R; GLP-1-R; glucagon-like peptide 1 receptor; GLP-1 receptor; GLP1 receptor; seven transmembrane helix receptor
Gene ID	2740
mRNA Refseq	NM_002062
Protein Refseq	NP_002053

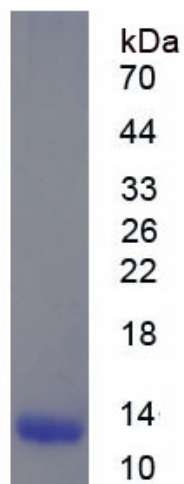
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