

Recombinant Human Glucagon-like peptide 1 receptor/GLP1R Protein

Catalog No.: RP03537LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 2740 P43220

Tags N-Flag His

Synonyms

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

Product Information

SourcePurificationinsect cell-≥ 95 % asbaculovirusdetermined by SDS-PAGE

Calculated MW Observed MW

57.3KDa 57KDa

Endotoxin

Please contact us for more information.

Formulation

Supplied as sterile 20 mM HEPES pH 7.5, 150 mM NaCl, 0.05% (w/v) GDN, 0.005% (w/v) CHS.

Reconstitution

Please use running water to thaw it quickly.

Contact

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Background

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.

Basic Information

Description

Recombinant Human Glucagon-like peptide 1 receptor/GLP1R Protein is produced by insect cell-baculovirus expression system. The target protein is expressed with sequence (R24-F257, E262-K437, S193C, I196F, S225A, M233C, S271A, I317C, G318I, G361C, K346A, C347F, E387D) of human Glucagon-like peptide 1 receptor/GLP1R (Accession #NP_002053.3).

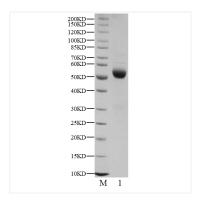
Bio-Activity

Storage

Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

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Validation Data



Recombinant Human Glucagon-like peptide 1 receptor/GLP1R was determined by SDS-PAGE under reducing (R) conditions.