Recombinant Human Glucagon-like peptide 1 receptor/GLP1R Protein

Catalog No.: RP03537LQ

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Sequence Information

Species
Human

Gene ID
2740

Swiss Prot
P43220

Tags
N-Flag His

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

Product Information

Source
insect cell-baculovirus

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
57.3KDa

Observed MW
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.

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).

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

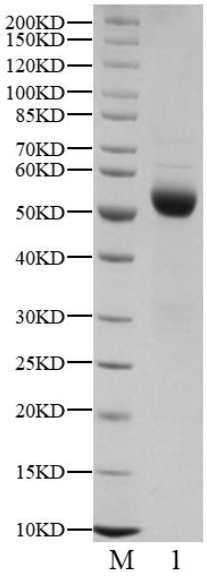
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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

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