

Datasheet for ABIN7491459

GLP1R Protein (AA 24-139) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	GLP1R
Protein Characteristics:	AA 24-139
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLP1R protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GLP1R Protein with C-terminal human Fc tag
Specificity:	GLP1R (Arg24-Glu139) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GLP1R
Alternative Name:	GLP1R (GLP1R Products)
Background:	This gene encodes a 7-transmembrane protein that functions as a receptor for glucagon-like

Target Details

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. [provided by RefSeq, Apr 2016]

Molecular Weight: predicted molecular mass of 39.7 kDa after removal of the signal peptide. The apparent molecular mass of GLP1R-hFc is 35-70 kDa due to glycosylation.

UniProt: [P43220](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Transport](#), [cAMP Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human R Protein, hFc Tag on SDS-PAGE under reducing condition.