

Product Information

MemDX™ Membrane Protein Human GLP1R (Glucagon like peptide 1 receptor) for Antibody

Discovery

Cat. No.: **MP1354J**

This product is for research use only and is not intended for diagnostic use.

This product is a 53.6 kDa Human GLP1R membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GLP1R

Protein Length

Partial (24-463aa)

Protein Class

GPCR

Molecular Weight

53.6 kDa

Sequence

RPQGATVSLWETVQKWREYRRQCQRSLTEDPPPATDLFCNRTFDEYACWPDGEPGSFVNVSCPWYLPWASSVPQGHVYRFCTA

Product Description

Expression Systems

E.coli

Tag

N-10xHis

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

GLP1R

Full Name

Glucagon like peptide 1 receptor

Introduction

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.

Alternative Names

GLP 1 R; GLP 1 receptor; GLP 1R; GLP; GLP-1 receptor; GLP-1-R; GLP-1R; GLP1R; GLP1R_HUMAN; Glucagon like peptide 1 receptor; Glucagon-like peptide 1 receptor; MGC138331; OTTHUMP00000016340

Gene ID

[2740](#)

UniProt ID

[P43220](#)