

Product Information

MemDX™ Membrane Protein Human GLP1R (Glucagon like peptide 1 receptor) Full Length

Cat. No.: **MPC0111K**

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

This product is a 53 kDa Human GLP1R membrane protein expressed in Baculovirus/Insect expression system. 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

Full length

Protein Class

GPCR

Molecular Weight

53 kDa

TMD

7

Sequence

MAGAPGPLRLALLLLGMVGRAGPRPQGATVSLWETVQKWREYRRQCQRSL
TEDPPPATDLFCNRTFDEYACWPDGEPGSFVNVSCPWYLPWASSVPQGHV
YRFTAEGWLWQKDNSSLPWRDLSECEESKRGERSSPEEQLLFLYIITV
GYALSFSALVIASAILLGFRHLHCTRNYIHLNLFASFILRALSVFIKDAA
LKWMYSTAAQQHQWDGLLSYQDSLSCRLVFLMQYCVAANYWLLVEGVY
LYTLAFSVLSEQWIFRLYVSIGWGVPLLFVVPWGIVKYLYEDEGCWTRN
SNMNYWLIIRLPILFAIGVNFLIFVRVICIVVSKLKANLMCKTDIKCRLA
KSTLTLIPLLGTHEVIFAFVMDEHARGTLRFIKLFTLSFTSFQGLMVAI
LYCFVNNEVQLEFRKSWERWRLEHLHIQRDSSMKPLKCPTSSLSSGATAG
SSMYTATCQASCS

Product Description

Expression Systems

Baculovirus/Insect expression system

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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; GLP-1R; GLP-1-R; GLP-1 receptor; GLP1 receptor; seven transmembrane helix receptor; GLP1R; Glucagon like peptide 1 receptor

Gene ID

[2740](#)

UniProt ID

[P43220](#)