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Product Information

MemDX™ Membrane Protein Human GLP1R (Glucagon like peptide 1 receptor) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3575K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human GLP1R membrane protein expressed *in vitro E.coli* 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 of Mature Protein

Protein Class
GPCR

TMD
7

Sequence
RPQGATVSLWETVQKWREYRRQCQRSLTEDPPPATDLFCNRTFDEYACWPDGEPGSFVNVSCPWYLPWASSVPQGHVYRFCTA

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis and SUMO tag

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

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

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

GLP1R; GLP-1; GLP-1R; GLP-1-R; GLP-1 receptor; GLP1 receptor; Glucagon like peptide 1 receptor

Gene ID

2740

UniProt ID

P43220