

## Product Information

### **MemDX™ Membrane Protein Human GLP1R (Glucagon like peptide 1 receptor) Expressed in *E.coli* with 6xHis tag at the N-terminus for Antibody Discovery, Partial (24-145aa)**

Cat. No.: **MPX4239K**

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

This product is a 18.3kDa 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 (24-145aa)

##### Protein Class

GPCR

##### Molecular Weight

18.3kDa

##### TMD

7

##### Sequence

RPQGATVSLWETVQKWREYRRQCQRSLTEDPPPATDLFCNRTFDEYACWPDGEPGSFVNVSCPWYLPWASSVPQGHVYRFCTA

#### Product Description

##### Expression Systems

*E.coli*

##### Tag

6xHis tag at the N-terminus

##### Protein Format

Soluble

##### Form

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% glycerol

**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](#)