

# Product Information

## MemDX™ Membrane Protein Mouse Gcgr (Glucagon receptor) for Antibody Discovery

Cat. No.: **MP1353J**

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

This product is a 40.8 kDa Mouse Gcgr 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

Mouse

#### Target Protein

Gcgr

#### Protein Length

Partial (27-143aa)

#### Protein Class

GPCR

#### Molecular Weight

40.8 kDa

#### Sequence

AQVMDFLFKWKLYSDQCHHNLSELLPPPTLVCNRTFDKYSCWPDTPPNTTANISCPWYLPWYHKVQHRLVFKRCGPDGQWVR

### Product Description

#### Expression Systems

E.coli

#### Tag

N-GST

#### 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

>90% 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**

Gcgr

**Full Name**

Glucagon receptor

**Introduction**

G-protein coupled receptor for glucagon that plays a central role in the regulation of blood glucose levels and glucose homeostasis. Regulates the rate of hepatic glucose production by promoting glycogen hydrolysis and gluconeogenesis. Plays an important role in mediating the responses to fasting. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Promotes activation of adenylate cyclase. Besides, plays a role in signaling via a phosphatidylinositol-calcium second messenger system.

**Alternative Names**

GcgrGlucagon receptor; GL-R; G; GR

**Gene ID**

[14527](#)

**UniProt ID**

[Q61606](#)