

# Product Information

## Recombinant Anti-Human gcgr Antibody Fab Fragment

Cat. No.: **MOM-18366-F(P)**

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

### Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human GCGR, expressed in E. coli

### Antigen Description

This is a receptor for glucagon which plays a central role in regulating the level of blood glucose by controlling the rate of hepatic glucose production and insulin secretion. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system.

### Specific Activity

Tested positive against native antigen.

### Target

GCGR

### Source

Mouse

### Species Reactivity

Human

### Type

Fab

### Expression Host

E. coli

### Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

### Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

## ANTIGEN GENE INFORMATION

### Gene Name

[GCGR glucagon receptor \[ Homo sapiens \]](#)

### Official Symbol

GCGR

**Synonyms**

GCGR; glucagon receptor; GGR; GL-R; FLJ97182; MGC138246

**Gene ID**

[2642](#)

**mRNA Refseq**

[NM\\_000160](#)

**Protein Refseq**

[NP\\_000151](#)

**MIM**

[138033](#)

**UniProt ID**

P47871

**Chromosome Location**

17q25

**Pathway**

Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class B Secretin-like, organism-specific biosystem; Glucagon signaling in metabolic regulation, organism-specific biosystem;

**Function**

glucagon receptor activity; guanyl-nucleotide exchange factor activity; peptide hormone binding; receptor activity; signal transducer activity;