

Product Information

Recombinant Anti-Human gcgr Antibody scFv Fragment

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

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

Product Overview

Recombinant Mouse Antibody scFv Fragment specifically binds 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

scFv

Expression Host

E. coli

Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

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;