

Product Information

MemDX™ Antibody Discovery - Human GUCY2C / Guanylyl cyclase C (24-430) Membrane Protein, Partial, -hIgG1 Fc -Avi tag, [Biotin]

Cat. No.: **MP0135F**

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

This membrane protein is Human GUCY2C / Guanylyl cyclase C (24-430). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

GUCY2C / Guanylyl cyclase C

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 74.1 kDa. The protein migrates as 90-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Ser 24 - Gln 430 (Accession # P25092-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

Human IgG1 Fc tag at the C-terminus, followed by a Avi tag

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/µg by the LAL method

Conjugation

Biotin

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target

Target Protein

GUCY2C / Guanylyl cyclase C

Full Name

guanylate cyclase 2C

Introduction

This gene encodes a transmembrane protein that functions as a receptor for endogenous peptides guanylin and uroguanylin, and the heat-stable *E. coli* enterotoxin. The encoded protein activates the cystic fibrosis transmembrane conductance regulator. Mutations in this gene are associated with familial diarrhea (autosomal dominant) and meconium ileus (autosomal recessive).

Alternative Names

GC-C; STAR; DIAR6; GUC2C; MECIL; MUCIL; heat-stable enterotoxin receptor; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase

Gene ID

[2984](#)

UniProt ID

[P25092](#)