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Product Information

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

Cat. No.: **MP0130F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human GUCY2C / Guanylyl cyclase (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

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 49.6 kDa. The protein migrates as 65-95 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
His tag at the C-terminus, followed by an 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

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4.

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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

GUCY2C / Guanylyl cyclase

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