

Product Information

MemDX™ Membrane Protein Human CLDN4 (Claudin 4) Expressed in *E.coli* for Antibody

Discovery, Partial (29-160aa)

Cat. No.: **MPX0057K**

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

This product is a 11 kDa Human CLDN4 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

Human

Target Protein

CLDN4

Protein Length

Partial (29-160aa)

Protein Class

Transporter; Ion channel

Molecular Weight

11 kDa

TMD

4

Sequence

MKHHHHHHASMWRTAFIGSNIVTSQTIWEGLWMNCVVQSTGQMCKVYDSSLALPQDLQAARLEVLFGQPTAHNIIQDFYNPLV

Product Description

Expression Systems

E.coli

Tag

His tag at N-terminus

Protein Format

Soluble

Form

Liquid

Endotoxin

<0.1 EU/μg by the LAL method

Purity

> 90% SDS-PAGE

Buffer

pH: 8.00, Constituents: 0.3% Glutathione, 0.79% Tris HCl

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CLDN4

Full Name

Claudin 4

Introduction

The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.

Alternative Names

CPER; CPE-R; CPETR; CPETR1; WBSCR8; hCPE-R; claudin-4; CPE-receptor; Clostridium perfringens enterotoxin receptor 1; Williams-Beuren syndrome chromosomal region 8 protein; CLDN4; Claudin 4

Gene ID

[1364](#)

UniProt ID

[O14493](#)