

Product Information

MemDX™ Membrane Protein Human CLDN4 (Claudin 4) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2203K**

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

This product is a Human CLDN4 membrane protein expressed *in vitro* *E.coli* expression system. 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

Full Length

Protein Class

Ion channel, Transport

TMD

4

Sequence

MASMGQLQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNIVTSQTIWEGLWMNCVVQSTGQMCKVYDSLLALPQDLQAARALVI

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

[1364](#)

UniProt ID

[O14493](#)