

# Product Information

## MemDX™ Membrane Protein Human CLDN4 (Claudin 4) for Antibody Discovery

Cat. No.: **MP0736J**

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

This product is a 21.9 kDa Human CLDN4 membrane protein expressed in HEK293T. 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

Druggable Genome, Transmembrane

#### Molecular Weight

21.9 kDa

#### TMD

4

#### Sequence

MASMGQLQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNIVTSQTIWEGLWMNCVVQSTGQMCKVYDSL  
LALPQDLQAARALVIISIIVAALGVLLSVVGGKCTNCLEDESAKAKTMIVAGVVFLLAGLMVIVPVSWTA  
HNIIQDFYNPLVASGQKREMGASLYVGWAASGLLLLGGLLCCNCPRTDKPYSKYSAAARSAAASNYV

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

#### Purification

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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

**Gene ID**

[1364](#)

**UniProt ID**

[O14493](#)