

# Product Information

## **MemDX™ Membrane Protein Human CLDN10 (Claudin 10) Expressed *in vitro* *E.coli* expression system, Full Length**

Cat. No.: **MPX2244K**

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

This product is a Human CLDN10 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**

CLDN10

#### **Protein Length**

Full Length

#### **Protein Class**

Transport

#### **TMD**

4

#### **Sequence**

MASTASEIIAFMVSISGWLVSSSTLPTDYWKVSTIDGTVITTATYWANLWKACVTDSTGVSNCKDFPSMLALDGYIQACRGLMIAAVS

### 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

CLDN10

#### Full Name

Claudin 10

#### Introduction

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The expression level of this gene is associated with recurrence of primary hepatocellular carcinoma. Six alternatively spliced transcript variants encoding different isoforms have been reported, but the transcript sequences of some variants are not determined.

#### Alternative Names

CLDN10; OSPL; HELIX; OSP-L; CPETRL3; OSP-like protein; oligodendrocyte-specific protein-like; Claudin 10

#### Gene ID

[9071](#)

#### UniProt ID

[P78369](#)