

# Product Information

## **MemDX™ Membrane Protein Mouse Cldn22 (Claudin 22) Expressed *in vitro* E.coli** **expression system, Full Length**

Cat. No.: **MPX2222K**

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

This product is a Mouse Cldn22 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**

Mouse

#### **Target Protein**

Cldn22

#### **Protein Length**

Full Length

#### **Protein Class**

Receptor

#### **TMD**

4

#### **Sequence**

MGLVFRATQAAALLLSLLGWVLSCLTNYLPHWKNLNLELNEMENWTMGLWKSCVQEEVGRQCKDFDSFLALPAELQVSRVLM

### 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

Cldn22

#### Full Name

Claudin 22

#### 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. This gene is intronless and overlaps the 3' UTR of the Wwc2 gene (GeneID: 52357) on the opposite strand.

#### Alternative Names

Cldn22; 2210404A22Rik; 5330431C14Rik; 9530051B05Rik; claudin-22; Claudin 22

#### Gene ID

[75677](#)

#### UniProt ID

[Q9D7U6](#)