

## Product Information

### MemDX™ Membrane Protein Human CLDN7 (Claudin 7) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2206K**

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

This product is a Human CLDN7 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

CLDN7

##### Protein Length

Full Length

##### Protein Class

Receptor

##### TMD

4

##### Sequence

MANSGLQLLGFSMALLGWVGLVACTAIPQWQMSSYAGDNIITAQAMYKGLWMDCVTQSTGMMSCMYDSVLALSAALQATRALM

#### 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**

CLDN7

### **Full Name**

Claudin 7

### **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. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc.. Alternatively spliced transcript variants encoding different isoforms have been found.

### **Alternative Names**

CLDN7; CLDN-7; CEPTRL2; CPETRL2; Hs.84359; claudin-1; clostridium perfringens enterotoxin receptor-like 2; epididymis secretory sperm binding protein; Claudin 7

### **Gene ID**

[1366](#)

### **UniProt ID**

[O95471](#)