

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

MANSGLQLLGFSMALLGWVGLVACTAIPQWQMSSYAGDNIITAQAMYKGLWMDCVTQSTGMMSCMYDSVLALSAAALQATRALM

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

[Q95471](#)