

Product Information

MemDX™ Membrane Protein Human CLDN2 (Claudin 2) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2253K**

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

This product is a Human CLDN2 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

CLDN2

Protein Length

Full Length

Protein Class

Receptor

TMD

4

Sequence

MASLGLQLVG YILG LLLG LTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECATHSTGITQCDIYSTLLGLPADIQAAQAMMVTSS

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

CLDN2

Full Name

Claudin 2

Introduction

This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.

Alternative Names

CLDN2; OAZON; claudin-2; SP82; Claudin 2

Gene ID

[9075](#)

UniProt ID

[P57739](#)