

Product Information

MemDX™ Membrane Protein Human CLDN2 (Claudin 2) for Antibody Discovery

Cat. No.: **MP0303J**

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

This product is a 24.4 kDa Human CLDN2 membrane protein expressed in HEK293T. 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

Transmembrane

Molecular Weight

24.4 kDa

TMD

4

Sequence

MASLGLQLVGYILGLLGLLGTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECATHSTGITQCIDIYSL
LGLPADIAQAQAMMVTSSAIISSLACIIISVGMRCVFCQESRAKDRVAVAGGVFFILGLLGFIPVAWNL
HGILRDFYSPLVPDSMKFEIGEALYLGIISSLSLIAGIILCFSCSSQRNRSNYYDAYQAQPLATRSSPR
PGQPPKVKSEFNSYSLTGYV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

SP82

Gene ID

[9075](#)

UniProt ID

[P57739](#)