

Product Information

MemDX™ Membrane Protein Human CLDN10 (Claudin 10) Expressed in Wheat germ, Full Length

Cat. No.: **MPX0007K**

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

This product is a 45 kDa Human CLDN10 membrane protein expressed in Wheat germ. 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

CLDN10

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

45 kDa

TMD

4

Sequence

MASTASEIIAFMVSISGWLVSSSTLPTDYWKVSTIDGTVITTATYWANLWKACVTDSTGVSNCKDFPSMLALDGYIQACRGLMIAAVS

Product Description

Expression Systems

Wheat germ

Tag

GST tag at N-terminus

Protein Format

Soluble

Form

Liquid

Endotoxin

<0.1 EU/μg by the LAL method

Buffer

pH: 8.00, Constituents: 0.3% Glutathione, 0.79% Tris HCl

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**

CLDN10

Full Name

Claudin 10

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. The expression level of this gene is associated with recurrence of primary hepatocellular carcinoma. Six alternatively spliced transcript variants encoding different isoforms have been reported, but the transcript sequences of some variants are not determined.

Alternative Names

OSPL; HELIX; OSP-L; CPETRL3; claudin-10; OSP-like protein; oligodendrocyte-specific protein-like; CLDN10; Claudin 10

Gene ID

[9071](#)

UniProt ID

[P78369](#)