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Product Information

MemDX™ Membrane Protein Human CLDN5 (Claudin 5) Full Length

Cat. No.: **MPC1709K**
This product is for research use only and is not intended for diagnostic use.

This product is a 23.1 kDa Human CLDN5 membrane protein expressed in HEK293. 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
CLDN5

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
23.1 kDa

TMD
4

Sequence
MGSAALEILGLVLCLVGWGGLILACGLPMWQVTAFLDHNIVTAQTTWKGL
WMSCVVQSTGHMQCKVYDSVLALSTEVQAARALTVSAVLLAFVALFVTLA
GAQCTTCVAPGPAKARVALTGGVLYLFCGLLALVPLCWFANIVVREFYDP
SVPVSQKYELGAALYIGWAATALLMVGGCLLCCGAWVCTGRPDLSFPVKY
SAPRRPTATGDYDKKNYV

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements

Form

Liquid

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

CLDN5

Full Name

Claudin 5

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. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Alternative Names

CLDN5; AWAL; BEC1; TMVCF; TMDVCF; CPETRL1; claudin-5; transmembrane protein deleted in VCFS; transmembrane protein deleted in velocardiofacial syndrome; Claudin 5

Gene ID

7122

UniProt ID

O00501

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