SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human CLDN1 (Claudin 1) Full Length

Cat. No.: **MPC3058K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CLDN1 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
CLDN1

Protein Length
Full length

Protein Class
Receptor

TMD
4

Sequence
MANAGLQLLGFILAFLGWIGAIVSTALPQWRIYSYAGDNIVTAQAMYEGL
WMSCVSQSTGQIQCKVFDSLLNLSSTLQATRALMVVGILLGVIAIFVATV
GMKCMKCLEDDEVQKMRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYD
PMTPVNARYEFGQALFTGWAAASLCLLGGALLCCSCPRKTTSYPTPRPYP
KPAPSSGKDYV

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form
Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CLDN1

Full Name

Claudin 1

Introduction

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.

Alternative Names

CLDN1; CLD1; SEMP1; ILVASC; claudin-1; senescence-associated epithelial membrane protein 1; Claudin 1

Gene ID

9076

UniProt ID

O95832

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