

Product Information

MemDX™ Membrane Protein Human CLDN19 (Claudin 19) Full Length

Cat. No.: **MPC4097K**

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

This product is a made-to-order Human CLDN19 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

CLDN19

Protein Length

Full length

Protein Class

Receptor

TMD

4

Sequence

MANSGLQLLGYFLALGGWVGIIASTALPQWKQSSYAGDAITAVGLYEGL
WMSCASQSTGQVQCKLYDSLLALDGHISARALMVAVLLGFVAMVLSVV
GMKCTRVGDSNPIAKGRVAIAGGALFILAGLCTLTAVSWYATLVTQEFFN
PSTPVNARYEFGPALFVGWASAGLAVLGGSFLCCTCPEPERPNSSPQPYR
PGPSAAAREPVVKLPASAKGPLGV

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**

CLDN19

Full Name

Claudin 19

Introduction

The product of this gene belongs to the claudin family. It plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Defects in this gene are the cause of hypomagnesemia renal with ocular involvement (HOMGO). HOMGO is a progressive renal disease characterized by primary renal magnesium wasting with hypomagnesemia, hypercalciuria and nephrocalcinosis associated with severe ocular abnormalities such as bilateral chorioretinal scars, macular colobomata, significant myopia and nystagmus. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.

Alternative Names

CLDN19; HOMG5; claudin-19; Claudin 19

Gene ID

[149461](#)

UniProt ID

[Q8N6F1](#)