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Product Information

Magic™ Membrane Protein Human CLDN19 (Claudin 19) for Antibody Discovery

{AlternativeNames}

Cat. No.: **MP0383J**
This product is for research use only and is not intended for diagnostic use.

This product is a 21.9 kDa Human CLDN19 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
CLDN19

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
21.9 kDa

TMD
4

Sequence
MANSGLQLLGYFLALGGWVGIIASTALPQWKQSSYAGDAIITAVGLYEGLWMSCASQSTGQVQCKLYDSL
LALDGHIQSARALMVVAVLLGFVAMVLSVVGMKCTRVGDSNPIAKGRVAIAGGALFILAGLCTLTAVSWY
ATLVTQEFFNPSTPVNARYEFGPALFVGWASAGLAVLGGSFLCCTCPEPERPNSSPQPYRPGPSAAAREY
V

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form

Powder

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

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

HOMG5

Gene ID

149461

UniProt ID

Q8N6F1

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