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Product Information

MemDX™ Membrane Protein Biotinylated Human CLDN6 (Claudin 6) Expressed in HEK293, Full Length

Cat. No.: **MPX0563K**
This product is for research use only and is not intended for diagnostic use.

This product is a 24.5 kDa Biotinylated Human CLDN6 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
CLDN6

Protein Length
Full length

Protein Class
Receptor

Molecular Weight
24.5 kDa

TMD
4

Sequence
MASAGMQILGVVLTLLGWVNGLVSCALPMWKVTAFIGNSIVVAQVVWEGL
WMSCVVQSTGQMQCKVYDSLLALPQDLQAARALCVIALLVALFGLLVYLA
GAKCTTCVEEKDSKARLVLTSGIVFVISGVLTLIPVCWTAHAIIRDFYNP
LVAEAQKRELGASLYLGWAASGLLLLGGGLLCCTCPSGGSQGPSHYMARY
STSAPAISRGPSEYPTKNYV

Product Description

Activity
Yes

Expression Systems
HEK293

Tag

Tag free

Form

Liquid

Endotoxin

<1.0 EU per 1 μg of the protein by the LAL method.

Purity

> 95% as determined by SEC-HPLC

Buffer

Supplied as 0.22um filtered solution in PBS, pH 7.4

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

CLDN6

Full Name

Claudin 6

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. This gene encodes a component of tight junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This gene is adjacent to another family member CLDN9 on chromosome 16.

Alternative Names

CLDN6; claudin-6; skullin; Claudin 6

Gene ID

9074

UniProt ID

P56747

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