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Product Information

MemDX™ Membrane Protein Human CLDN8 (Claudin 8) Full Length

Cat. No.: **MPC3474K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CLDN8 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
CLDN8

Protein Length
Full length

Protein Class
Receptor

TMD
4

Sequence
MATHALEIAGLFLGGVGMVGTVAVTVMPQWRVSAFIENNIVVFENFWEGL
WMNCVRQANIRMQCKIYDSLLALSPDLQAARGLMCAASVMSFLAFMMAIL
GMKCTRCTGDNEKVKAHILLTAGIIFIITGMVVLIPVSWVANAIIRDFYN
SIVNVAQKRELGEALYLGWTTALVLIVGGALFCCVFCCNEKSSSYRYSIP
SHRTTQKSYHTGKKSPSVYSRSQYV

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

CLDN8

Full Name

Claudin 8

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, and also play critical roles in maintaining cell polarity and signal transductions. This protein plays important roles in the paracellular cation barrier of the distal renal tubule, and in the paracellular barrier to prevent sodium back-leakage in distal colon. Differential expression of this gene has been observed in colorectal carcinoma and renal cell tumors, and along with claudin-7, is an immunohistochemical marker for the differential diagnosis of chromophobe renal cell carcinoma and renal oncocytoma.

Alternative Names

CLDN8; HEL-S-79; claudin-8; epididymis secretory protein Li 79; Claudin 8

Gene ID

9073

UniProt ID

P56748

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