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Datasheet for ABIN7491287

Claudin 4 Protein (CLDN4) (mFc Tag)

Overview

Quantity:	100 µg
Target:	Claudin 4 (CLDN4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 4 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant human CLDN4 (145-157) Protein with C-terminal mouse Fc tag
Specificity:	CLDN4 (Gln145-Lys157) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Claudin 4 (CLDN4)
Alternative Name:	CLDN4 (CLDN4 Products)
Background:	<p>CPE-R, CPER, CPETR, CPETR1, hCPE-R, WBSCR8</p> <p>Description: The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-</p>

Target Details

affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq, Sep 2013]

Molecular Weight: predicted molecular mass of 27.7 kDa after removal of the signal peptide. The apparent molecular mass of CLDN4(145-157)-mFc is 25-35 kDa due to glycosylation.

UniProt: [O14493](#)

Pathways: [Hepatitis C](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months