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Datasheet for ABIN7491283

**Claudin 3 Protein (CLDN3) (mFc Tag)**

## Overview

Quantity:	100 µg
Target:	Claudin 3 (CLDN3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 3 protein is labelled with mFc Tag.

## Product Details

Purpose:	Recombinant human CLDN3 (144-156) Protein with C-terminal mouse Fc tag
Specificity:	CLDN3 (Arg144-Lys156) 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 3 (CLDN3)
Alternative Name:	CLDN3 ( <a href="#">CLDN3 Products</a> )
Background:	C7orf1, CPE-R2, CPETR2, HRVP1, RVP1 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

## Target Details

the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet.

Description: The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for *Clostridium perfringens* enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 27.8 kDa after removal of the signal peptide. The apparent molecular mass of CLDN3(144-156)-mFc is 25-35 kDa due to glycosylation.

UniProt: [O15551](#)

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