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Datasheet for ABIN6964182

Claudin 3 Protein (CLDN3) (Fc 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 Fc Tag.

Product Details

Purpose:	Recombinant human CLDN3 protein with C-terminal human Fc tag
Specificity:	CLDN3 (Arg30-Arg80) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
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 (CLDN3 Products)
Background:	Synonymes: C7orf1, CPE-R2, CPETR2, HRVP1, RVP1 Description: 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

Target Details

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. 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.

Molecular Weight: predicted molecular mass of 31.8 kDa after removal of the signal peptide. The apparent molecular mass of CLDN3-hFc is 35-40 kDa due to glycosylation.

UniProt: [O15551](#)

Pathways: [Hepatitis C](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

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

Preservative: Without preservative

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