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Datasheet for ABIN7488889

Claudin 6 Protein (CLDN6) (His tag,Twin-Strep tag)

Overview

Quantity:	100 µg
Target:	Claudin 6 (CLDN6)
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 6 protein is labelled with His tag,Twin-Strep tag.

Product Details

Purpose:	Human Claudin-6 / CLDN6 Protein, His,Twin-Strep Tag (Detergent)
Sequence:	Ala 2 - Val 220
Characteristics:	Human Claudin-6 Protein, His,Twin-Strep Tag is expressed from Baculovirus-Insect cells. It contains AA Ala 2 - Val 220 (Accession # P56747-1).
Purity:	80 %
Endotoxin Level:	1.0 EU per µg

Target Details

Target:	Claudin 6 (CLDN6)
Alternative Name:	Claudin-6 (CLDN6 Products)
Background:	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

Target Details

comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. Claudin-6, also known as CLDN6, is a multipass transmembrane protein in the Claudin family. Claudin-6 is expressed by epithelial cells where it participates in tissue development and the maintenance of tight junction integrity. And it is one of the entry cofactors for hepatitis C virus. The methylation of CLDN6 may be involved in esophageal tumorigenesis. The gene of CLDN6 is adjacent to another family member CLDN9 on chromosome 16.

Molecular Weight: 28.3 kDa

Pathways: [Hepatitis C](#)

Application Details

Comment: This protein carries a polyhistidine tag at the N-terminus and a twin strep tag at the C-terminus. (10xHis , Twin-Strep) The protein has a calculated MW of 28.3 kDa. The protein migrates as 26-27 kDa under reducing (R) condition (SDS-PAGE).

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH 7.5

Storage: -80 °C

Storage Comment: -70°C