

Datasheet for ABIN7273438

Claudin 9 Protein (CLDN9) (His tag,Twin-Strep tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Claudin 9 (CLDN9)
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 9 protein is labelled with His tag,Twin-Strep tag.

Product Details

Purpose:	Human Claudin-9 / CLDN9 Protein, His,Twin-Strep Tag (active membrane protein, SPR verified)
Sequence:	Ala 2 - Val 217
Characteristics:	Human Claudin-9, His,Twin-Strep Tag (CL9-H5586) is expressed from Baculovirus-Insect cells. It contains AA Ala 2 - Val 217 (Accession # O95484-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	SPR verified

Target Details

Target:	Claudin 9 (CLDN9)
Alternative Name:	Claudin-9 / CLDN9 (CLDN9 Products)
Background:	Synonyms:CLDN9,Description:Claudin-9 belongs to the claudin family. Claudins constitute

Target Details

integral membrane proteins responsible for solute and electrolyte permeability of the tight junction that serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Tight junctions also play a critical role in maintaining cell polarity and signal transductions. Claudin-9 creates charge specific channels in the paracellular space, plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity, is required to preserve sensory cells in the hearing organ because claudin-9-defective tight junctions fail to shield the basolateral side of hair cells from the K⁺-rich endolymph. Its ion barrier function is essential in the cochlea, but appears to be dispensable in other organs. Is one of the entry cofactors for hepatitis C virus, it enables HCV entry into target cells just as efficiently as CLDN1.

Molecular Weight:	27.9 kDa
Pathways:	Cell-Cell Junction Organization , Hepatitis C

Application Details

Application Notes:	This protein carries a polyhistidine tag and a twin strep tag. The protein has a calculated MW of 27.9 kDa. The protein migrates as 23-24 kDa under reducing (R) condition due to glycosylation.
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