Datasheet for ABIN7488753

Claudin 9 Protein-VLP (CLDN9)

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Overview

Quantity:	100 µg
Target:	Claudin 9 (CLDN9)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	VLP

Product Details

Purpose:	Human Claudin-9 / CLDN9 Full Length Protein (VLP)
Sequence:	Met 1 -Val 217
Characteristics:	Human Claudin-9 Full Length Protein-VLP is expressed from human 293 cells (HEK293). It contains AA Met 1 -Val 217 (Accession # O95484-1).
Endotoxin Level:	1.0 EU per µg

Target Details

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

Target Details

	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.
Pathways:	Cell-Cell Junction Organization, Hepatitis C

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, Arginine, pH 7.4
Storage:	-80 °C
Storage Comment:	-70°C