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Datasheet for ABIN7504302

Claudin 4 Protein-VLP (CLDN4) (AA 1-209)

Overview

Quantity:	100 µg
Target:	Claudin 4 (CLDN4)
Protein Characteristics:	AA 1-209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	VLP

Product Details

Purpose:	Human Claudin 4 Protein-VLP
Sequence:	Met1-Val209
Characteristics:	Recombinant Human Claudin 4 Protein-VLP is expressed from HEK293. It contains Met1-Val209.
Purity:	> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Claudin 4 (CLDN4)
Alternative Name:	Claudin 4 (CLDN4 Products)
Background:	Claudin-4 (CLDN4) is a key component of tight junctions (TJs) in epithelial cells. CLDN4 is

Target Details

overexpressed in many epithelial malignancies and correlates with cancer progression. Changes in CLDN4 expression have been associated with epigenetic factors (such as hypomethylation of promoter DNA), inflammation associated with infection and cytokines, and growth factor signaling. CLDN4 helps to maintain the tumor microenvironment by forming TJs and acts as a barrier to the entry of anticancer drugs into tumors.

Molecular Weight: 23.31 kDa.

UniProt: [O14493](#)

Pathways: [Hepatitis C](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied as 0.22µm filtered solution in PBS (pH 7.4). Notice: If you need it for immunization, Do Not use any adjuvant.

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months