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Datasheet for ABIN7489008

**Claudin 4 Protein (CLDN4) (His tag,Twin-Strep tag)**

## Overview

Quantity:	100 µg
Target:	Claudin 4 (CLDN4)
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 4 protein is labelled with His tag,Twin-Strep tag.

## Product Details

Purpose:	Human Claudin-4 Protein, His,Twin-Strep Tag (Detergent)
Sequence:	Met 1 - Val 209
Characteristics:	Human Claudin-4 Protein, His,Twin-Strep Tag is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Val 209 (Accession # O14493-1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg

## Target Details

Target:	Claudin 4 (CLDN4)
Alternative Name:	Claudin-4 ( <a href="#">CLDN4 Products</a> )
Background:	The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity

## Target Details

receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.

Molecular Weight: 27.5 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 27.5 kDa. The protein migrates as 23-24 kDa under reducing (R) condition (SDS-PAGE).

Restrictions: For Research Use only

## Handling

Format: Liquid

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

Storage: -80 °C

Storage Comment: -70°C