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Datasheet for ABIN7491089

**Claudin 2 Protein (CLDN2) (Fc Tag)**

## Overview

Quantity:	100 µg
Target:	Claudin 2 (CLDN2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 2 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant human CLDN2 protein with C-terminal human Fc tag
Specificity:	CLDN2 (Ser29-Gln78) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	Claudin 2 (CLDN2)
Alternative Name:	CLDN2 ( <a href="#">CLDN2 Products</a> )
Background:	<p>Claudin-2, SP82</p> <p>Description: This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic</p>

## Target Details

properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]

**Molecular Weight:** predicted molecular mass of 31.4 kDa after removal of the signal peptide. The apparent molecular mass of CLDN2-hFc is 25-35 kDa due to glycosylation.

**UniProt:** [P57739](#)

**Pathways:** [Hepatitis C](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Buffer:** sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months