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Datasheet for ABIN7317330

Claudin 11 Protein (CLDN11) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Claudin 11 (CLDN11)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 11 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CLDN11/Claudin-11 Protein (Fc Tag)
Sequence:	Val23-Arg82
Characteristics:	A DNA sequence encoding the human CLDN11 (075508) (Val23-Arg82) was expressed with the Fc region of mouse IgG1 at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Claudin 11 (CLDN11)
Alternative Name:	CLDN11/Claudin-11 (CLDN11 Products)
Background:	Background: Claudin-11, also known as CLDN11, belongs to the group of claudins. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands function as a physical barrier to prevent solutes and water from passing freely through the

Target Details

paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Claudin-11 is a tight junction associated protein and is a major component of central nervous system (CNS) myelin that is necessary for normal CNS function. Human blood-testis barrier disruption is related to a dysfunction of CLDN11 gene. It plays an important role in regulating proliferation and migration of oligodendrocytes.

Synonym: OSP,OTM

Molecular Weight: 33.2 kDa

UniProt: [O75508](#)

Pathways: [Hepatitis C](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.