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Datasheet for ABIN7490986

Claudin 5 Protein (CLDN5) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Claudin 5 (CLDN5)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 5 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human CLDN5 protein with C-terminal human Fc tag
Specificity:	CLDN5 (Met29-Arg81) 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 5 (CLDN5)
Alternative Name:	CLDN5 (CLDN5 Products)
Background:	<p>Claudin-5, TMDVCF, AWAL, TMVCF</p> <p>Description: This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space</p>

Target Details

	between epithelial or endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2018]
Molecular Weight:	predicted molecular mass of 32.1 kDa after removal of the signal peptide. The apparent molecular mass of CLDN5-hFc is 35-40 kDa due to glycosylation.
UniProt:	O00501
Pathways:	Hepatitis C

Application Details

Restrictions:	For Research Use only
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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