

## Datasheet for ABIN7505011 Claudin 1 Protein (CLDN1) (AA 29-115) (His tag)



Overview

Quantity:	100 µg
Target:	Claudin 1 (CLDN1)
Protein Characteristics:	AA 29-115
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 1 protein is labelled with His tag.
Product Details	
Sequence:	GIn29-Lys115
Characteristics:	A DNA sequence encoding theHuman CLDN1 protein (O95832) (Gln29-Lys115) was expressed with a N-His.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Target Details	
Target:	Claudin 1 (CLDN1)
Alternative Name:	CLDN1 (CLDN1 Products)

Background:	Abbreviation: CLDN1
	Target Synonym: Senescence-associated epithelial membrane protein
	Background: Claudins function as major constituents of the tight junction complexes that
	regulate the permeability of epithelia. While some claudin family members play essential roles

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molecules. Often, several claudin family members are coexpressed and other, and this determines the overall permeability. CLDN1 is required to paracellular diffusion of small molecules through tight junctions in the e required for the normal barrier function of the skin. Required for normal to prevent excessive water loss through the skin, probably via an indirect expression levels of other proteins, since CLDN1 itself seems to be disp barrier formation in keratinocyte tight junctions.Molecular Weight:Calculated MW: 9.6 kDa Observed MW: 14 kDaUniProt:O95832Pathways:Cell-Cell Junction Organization, Hepatitis CApplication DetailsFor Research Use onlyHandlingLyophilizedFormat:Lyophilized from sterile PBS, pH 7.4.		
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paracellular diffusion of small molecules through tight junctions in the erequired for the normal barrier function of the skin. Required for normal to prevent excessive water loss through the skin, probably via an indirecexpression levels of other proteins, since CLDN1 itself seems to be disp barrier formation in keratinocyte tight junctions.    Molecular Weight:  Calculated MW: 9.6 kDa    Observed MW: 14 kDa  Observed MW: 14 kDa    UniProt:  O95832    Pathways:  Cell-Cell Junction Organization, Hepatitis C    Application Details  For Research Use only    Handling  Lyophilized from sterile PBS, pH 7.4.    Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added a lyophilization.		molecules. Often, several claudin family members are coexpressed and interact with each
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Observed MW: 14 kDa    UniProt:  095832    Pathways:  Cell-Cell Junction Organization, Hepatitis C    Application Details  For Research Use only    Handling  Evolution Sterile PBS, pH 7.4.    Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added a lyophilization.		barrier formation in keratinocyte tight junctions.
UniProt:095832Pathways:Cell-Cell Junction Organization, Hepatitis CApplication DetailsRestrictions:For Research Use onlyHandlingFormat:LyophilizedBuffer:Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added a lyophilization.	Molecular Weight:	Calculated MW: 9.6 kDa
Pathways:  Cell-Cell Junction Organization, Hepatitis C    Application Details  For Research Use only    Restrictions:  For Research Use only    Handling  Vophilized    Format:  Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added a lyophilization.		Observed MW: 14 kDa
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lyophilization.	Buffer:	Lyophilized from sterile PBS, pH 7.4.
		Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before
Storage: 4 °C,-20 °C,-80 °C		lyophilization.
	Storage:	4 °C,-20 °C,-80 °C
Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when store	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. Aliqu		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.		samples are stable at < -20°C for 3 months.
	Expiry Date:	12 months