

Product Data Sheet

CLDN5/Claudin-5 Protein, Rat (Cell-Free, His)

Cat. No.:	HY-P702249
Synonyms:	Claudin-5
Species:	Rat
Source:	E. coli Cell-free
Accession:	Q9JKD6 (M1-V218
Gene ID:	65131
Molecular Weight:	24.6 kDa

A Sequence M G S A V T A Q R A L T G G A L G A A L G A A L S A P R Appearance Lyophiliz indotoxin Level <1 EU/µg Reconsititution It is not recomme could use itorage & Stability Stored at recomme could use ihipping Room ter	DDODEDTIES				
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Storage & Stability Stored at -20°C for 2 year recommended to freeze a shipping Room temperature in contemporation.	econstitution	recommended to add 5-5 could use it as reference.	5	50% of glycerol (final concent	50% of glycerol (final concentration). Our default final cor
hipping Room temperature in cont	Storego 9 Stobility	Shared at 20%C for 2 years			
hipping Room temperature in cont	Storage & Stability	Stored at -20°C for 2 years recommended to freeze a	s. I	After reconstitution, it is si iquots at -20°C or -80°C for	After reconstitution, it is stable at 4°C for 1 week or -20° iquots at -20°C or -80°C for extended storage.
	Shipping	Room temperature in cor	11	tinental US; may vary elsew	tinental US; may vary elsewhere.

DESCRIPTION

Background

Claudin-5 (CLDN5) assumes a pivotal role in the precise closure of the intercellular space within tight junctions. This protein establishes direct interactions with key scaffolding proteins, including TJP1/ZO-1, TJP2/ZO-2, and TJP3/ZO-3, suggesting its active involvement in the molecular architecture of tight junction complexes. Additionally, CLDN5 engages in interactions with MPDZ, further expanding its network of associations, and emphasizing its potential contribution to the regulation of tight junction integrity and function.

Inhibitors

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Screening Libraries

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Proteins

Caution: Product has not been fully validated for medical applications. For research use only.

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