

Bioactive

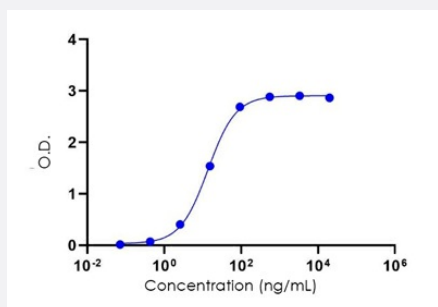
Full-Length

# CLDN18 (Human) Recombinant Protein

Catalog # P7603

Size 10 ug

## Applications



## Result of bioactivity analysis

Result of bioactivity analysis

## Specification

### Product Description

Human CLDN18 (P56856-2, 1 a.a. - 261 a.a.) full-length recombinant protein with His tag at N-terminus expressed in insect cells.

### Sequence

MAVTACQGLGFVVSILIGIAGIAATCMDQWSTQDLNNPVTAVFNYQGLWRSCVRESSGFTECRG  
YFTLLGLPAMLQAVRALMVGMLGAIGLLVSIFALKCIRIGSMEDSAKANMTLTSGIMFVSGLCAIAG  
VSVFANMLVTNFWMSTANMYTGMGGMVQTVQTRYTFGAALFVGWVAGGLTLIGGVMMCIACRGL  
APEETNYKAVSYHASGHSVAYKPGGFKASTGFGSNTKNKKIYDGGARTEDEVQSYPSKHDYV

### Host

insect

### Theoretical MW (kDa)

27.7

### Form

Liquid

### Preparation Method

Insect c3I expression system

### Purity

&gt; 80% by SDS-PAGE

### Activity

Immobilized CLDN18.2, His, Human at 1.0 ug/mL (100 uL/well). Dose response curve for anti-Claudin 18.2 Antibody with the EC<sub>50</sub> of 13.75 ng/mL determined by ELISA.

### Quality Control Testing

2 ug protein in Reducing SDS PAGE, no heat treatment before loading

### Storage Buffer

In 50 mM Hepes, 500 mM NaCl, pH 7.5 (10% glycerol, 0.2% DDM, 0.04% CHS).

**Storage Instruction**

Store at -80°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

Result of bioactivity analysis  
Result of bioactivity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — CLDN18

**Entrez GeneID**[51208](#)**Protein Accession#**[P56856-2](#)**Gene Name**

CLDN18

**Gene Alias**

SFTA5, SFTPJ

**Gene Description**

claudin 18

**Omim ID**[609210](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells (Niimi et al., 2001 [PubMed 11585919]).[supplied by OMIM]

**Other Designations**

surfactant associated 5|surfactant associated protein J|surfactant, pulmonary associated protein J

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)