

## Claudin-18.2 Protein, Human, Recombinant (Insect, His)

### General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | claudin 18;SFTPJ;Claudin-18;SFTA5;CLDN18 |
| Protein Construction: | Met1-Lys207                              |
| Species:              | Human                                    |
| Expression Host:      | Baculovirus Insect Cells                 |
| Accession:            | P56856-2                                 |
| Molecular Weight:     | 27.7 kDa (Predicted)                     |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Immobilized CLDN18.2, His, Human (Cat. No.: Z03504) at 1.0 µg/mL (100µl/well). Dose response curve for anti-Claudin 18.2 Antibody with the EC 50 of 13.75ng/mL determined by ELISA. |
| Purity:              | > 80% as determined by SDS-PAGE   |
| Formulation:         | Supplied as a solution in 50 mM Hepes, 500 mM NaCl, 10% glycerol, 0.2% DDM, 0.04% CHS, pH 7.5.  |

### Preparation and Storage

#### Stability & Storage:

Upon receiving, this product remains stable for up to 6 months at -80°C. Please avoid repeated freeze-thaw cycles.  
Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

### Protein Background

Claudin-18 is a protein that in humans is encoded by the CLDN18 gene. CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells. The Expression of Isoform A2 (CLDN18.2) is restricted to the stomach mucosa where it is predominantly observed in the epithelial cells of the pit region and the base of the gastric glands including exocrine and endocrine cells (at protein level). CLDN18.2 is founded to be abundant in gastric tumors, Experimental antibody IMAB362 targets Claudin 18.2 to help treat gastric cancers.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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