

# Active Recombinant Human CLDN18 protein

**Cat. No.** CLDN18-857H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Full length Human Claudin 18.2(P56856-2)(Met1-Val261) is expressed from HEK293 with no Tag. It contains Met1-Val261.                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Val261                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Claudin18(CLDN18) belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells.CLDN18 is specifically expressed in the stomach and lung. CLDN18 has two alternatively spliced variants,CLDN18.1 and CLDN18.2. Isoform 2 (Claudin 18.2) is abundant in gastric tumors. |
| <b>Form</b>             | Supplied as 0.22um filtered solution in PBS(pH 7.4).                                                                                                                                                                                                                                                            |
| <b>Bio-activity</b>     | Immobilized Human Claudin18.2. Dose response curve for Anti-Claudin18.2 Antibody, hFc Tag with the EC50 of 0.12µg/ml determined by ELISA.                                                                                                                                                                       |
| <b>Molecular Mass</b>   | The Protein has a predicted MW of 29kDa same as Bis-Tris PAGE result.                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | Less than 1 EU per ug by the LAL method.                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >95% as determined by HPLC                                                                                                                                                                                                                                                                                      |

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**Storage**

The product should be stored at -20°C or -70°C. Please do not repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION****Gene Name**

CLDN18 claudin 18 [ Homo sapiens (human) ]

**Official Symbol**

CLDN18

**Synonyms**

SFTA5; SFTPJ

**Gene ID**

51208

**mRNA Refseq**

NM\_001002026.3

**Protein Refseq**

NP\_001002026

**MIM**

609210

**UniProt ID**

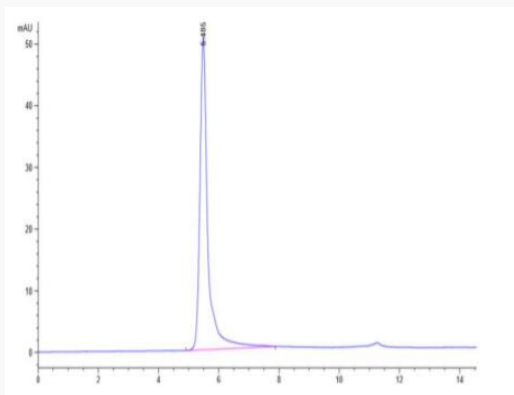
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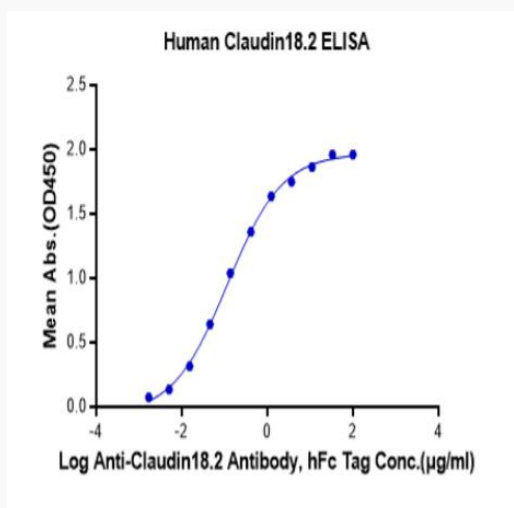
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## HPLC



## ELISA



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