

## Recombinant Human CLDN18.2/Claudin-18 A2 Protein (His Tag)

**Catalog Number: PKSH033470**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

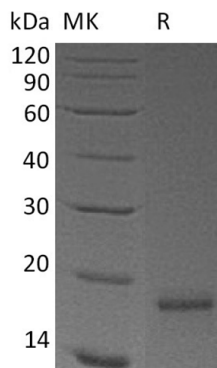
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human CLDN18.2/Claudin-18 A2 protein Asp28-Leu76, with an N-terminal His
<b>Calculated MW</b>	19.7 kDa
<b>Observed MW</b>	18 kDa
<b>Accession</b>	P56856-2
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 25mM Tris-HCl, 25mM NaCl, 0.1% Triton X-100, 10% glycerol, 0.1mM GSH, 0.01mM GSSG, pH 8.0.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Claudin-18 (CLDN18) is a protein that in humans is encoded by the CLDN18 gene. It belongs to the group of claudins. CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells. CLDN18 plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. CLDN18 has two isoform A1 and isoform A2. IMAB362 (Claudiximab) is a monoclonal antibody against isoform 2 of Claudin-18. It is under investigation for the treatment of gastrointestinal adenocarcinomas and pancreatic tumors. IMAB362 was developed by Genymed Pharmaceuticals AG.