

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

Catalog No. PKSH033470

### Description

<b>Synonyms</b>	Claudin-18; CLDN18
<b>Species</b>	Human
<b>Expression_host</b>	E.coli
<b>Sequence</b>	Asp28-Leu76
<b>Accession</b>	P56856-2
<b>Mol_Mass</b>	19.7 kDa
<b>AP_Mol_Mass</b>	18 kDa
<b>Tag</b>	N-8His

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg 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, 10% glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

### 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 Ganymed Pharmaceuticals AG.

## SDS-PAGE

