

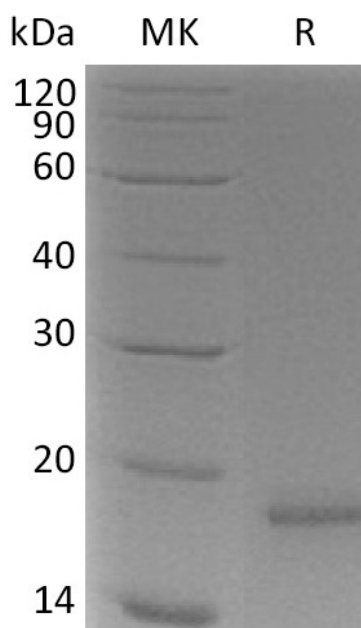
Product Name: Recombinant Human CLDN18.1 (N-8His)
Catalog #: PEH2036

Summary

Name	CLDN18.1/Claudin 18.1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human CLDN18.1 is produced by our E.coli expression system and the target gene encoding Asp28-Leu76 is expressed with a 8His tag at the N-terminus.
Accession #	P56856
Host	E.coli
Species	Human
Predicted Molecular Mass	19.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 8% Sucrose, 2% Glycine, 20% Glycerol, 5mM DTT, 0.05% Tween 80, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Claudin-18; CLDN18

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.

Note

For Research Use Only , Not for Diagnostic Use.