

Recombinant Human CLDN18.2 (N-8His)

Catalog No: CR53

Description	Recombinant HumanCLDN18.2 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.
Source	Human Cells
Alternative name	Claudin-18; CLDN18
Accession No.	P56856-2
Predicted Molecular Weight	19.7kDa
AP Molecular Weight	18kDa, reducing conditions.
Formulation	Supplied as a 0.2 µm filtered solution of 25mM Tris-HCl, 25mM NaCl, 0.1% Triton X-100, 10% glycerol, pH 8.0
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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.

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