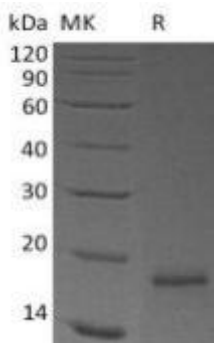


Recombinant Human Claudin-18.2

Catalog#:P02331 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human CLDN18.2 is produced by our <i>E.coli</i> expression system and the target gene encoding Asp28- Leu76 is expressed with a 8His tag at the N-terminus.</p> <p>Accession#: P56856-2</p> <p>Known as: Claudin- 18; CLDN18</p>
FORMULATION	Supplied as a 0.2 μm filtered solution of 25mM Tris- HCl, 25mM NaCl, 10% Glycerol, pH 8.0.
SHIPPING	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
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.
QUALITY CONTROL	<p>Mol Mass: 19.7kDa AP Mol Mass: 18kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
SDS-PAGE	 <p>The SDS-PAGE gel shows a single prominent band in lane R at approximately 18 kDa, corresponding to the expected molecular weight of the recombinant protein. Lane MK is a molecular weight marker with bands at 120, 90, 60, 40, 30, 20, and 14 kDa.</p>