



Recombinant Protein Technical Manual
Recombinant Human CLDN18.1 /CLDN18 Protein
(His Tag)
RPES3451

Product Data:

Product SKU: RPES3451

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P56856

Protein Information:

Molecular Mass: 19.8 kDa

AP Molecular Mass: 18 kDa

Tag: N-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 25mM Tris-HCl, 25mM NaCl, 0.1% Triton X00, 10% glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Claudin8; CLDN18

Immunogen Information:

Sequence: Asp28-Leu76

Background:

Claudin8(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 Claudin8. It is under investigation for the treatment of gastrointestinal adenocarcinomas and pancreatic tumors. IMAB362 was developed by Ganymed Pharmaceuticals AG.