

Product datasheet for **TP727618**

Claudin18 (CLDN18) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CLDN18.1/Claudin-18/CLDN18 (N-8His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp28-Leu76
Tag:	N-His
Buffer:	Supplied as a 0.2 um filtered solution of 25mM Tris-HCl, 25mM NaCl, 0.1% Triton X-100, 10% glycerol, pH 8.0 .
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	51208
UniProt ID:	P56856
Synonyms:	Claudin-18; CLDN18
Summary:	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.
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction



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