

Bioactive

HuPro®

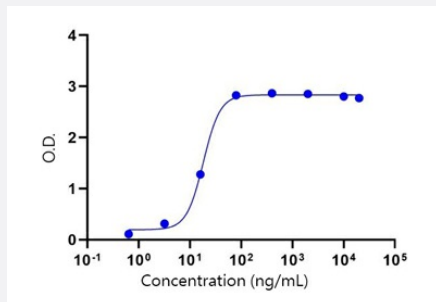
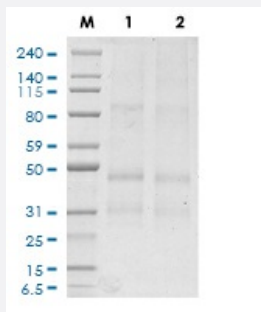
Full-Length

CLDN18 (Human) Recombinant Protein

Catalog # P7666

Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human CLDN18 (P56856-2, 1 a.a. - 261 a.a.) full-length recombinant protein expressed in 293 cells.
Sequence	MSTTTCQVVAFLLSILGLAGCIAATGMDMWSTQDLYDNPVTSVFQYEGLWRSCVRQSSGFTECR PYFTILGLPAMLQAVRALMIVGVLGAIGLLVSIFALKCIRIGSMEDSAKANMTLTSGIMFIVSGLCAIAG VSVFANMLVTNFWMSTANMYTGMGMVQTVQTRYTFGAALFVGWVAGGLTLIGGVMMCIACRGL APEETNYKAVSYHASGHSVAYKPGGFKASTGFGSNTKNKKIYDGGARTEDEVQSYPSKHDYV
Host	Mammals
Theoretical MW (kDa)	27.8
Form	Liquid
Preparation Method	Mammalian cell (293) expression system

Purity	> 75% by SDS-PAGE
Endotoxin Level	< 0.2 EU per 1 ug of protein (determined by gel clotting method)
Activity	Immobilized anti Claudin 18.2 antibody at 1 ug/mL (100 uL/Well). Dose response curve for CLDN18.2 , hFc, Human with the EC ₅₀ of 17.60 ng/ml determined by ELISA.
Quality Control Testing	2 ug protein in Reducing condition, no heat treatment before loading and Non-Reducing condition SDS PAGE Stained with Coomassie Blue
Storage Buffer	In 20 mM PB, 500 mM NaCl, pH 7.0 (10% glycerol, 0.025% DDM, 0.005% CHS)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CLDN18

Entrez GeneID	51208
Protein Accession#	P56856-2
Gene Name	CLDN18
Gene Alias	SFTA5, SFTPJ
Gene Description	claudin 18
Omim ID	609210
Gene Ontology	Hyperlink
Gene Summary	CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells (Niimi et al., 2001 [PubMed 11585919]).[supplied by OMIM]
Other Designations	surfactant associated 5[surfactant associated protein J]surfactant, pulmonary associated protein J

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)