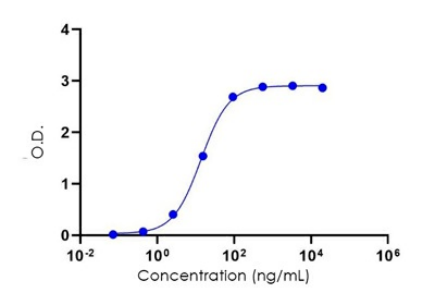
Bioactive Full-Length

CLDN18 (Human) Recombinant Protein

Catalog # P7603 Size 10 ug

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 with His tag at N-terminus expressed in insect cells.
Sequence	MAVTACQGLGFVVSLIGIAGIIAATCMDQWSTQDLYNNPVTAVFNYQGLWRSCVRESSGFTECRGYFTLLGLPAMLQAVRALMIVGIVLGAIGLLVSIFALKCIRIGSMEDSAKANMTLTSGIMFIVSGLCAIAGVSVFANMLVTNFWMSTANMYTGMGGMVQTVQTRYTFGAALFVGWVAGGLTLIGGVMMCIACRGLAPEETNYKAVSYHASGHSVAYKPGGFKASTGFGSNTKNKKIYDGGARTEDEVQSYPSKHDYV
Host	insect
Theoretical MW (kDa)	27.7
Form	Liquid
Preparation Method	Insect c3ll expression system
Purity	> 80% by SDS-PAGE
Activity	Immobilized CLDN18.2, His, Human at 1.0 ug/mL (100 uL/well). Dose response curve for anti-Claudin 18.2 Antibody with the EC_{50} of 13.75 ng/mL determined by ELISA.
Quality Control Testing	2 ug protein in Reducing SDS PAGE, no heat treatment before loading
Storage Buffer	In 50 mM Hepes, 500 mM NaCl, pH 7.5 (10% glycerol, 0.2% DDM, 0.04% CHS).

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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

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