

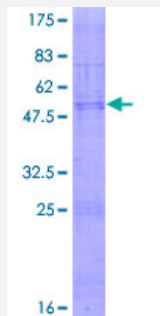
Full-Length

CLDN18 (Human) Recombinant Protein (P01)

Catalog # H00051208-P01

Size 2 ug

Applications



Specification

Product Description

Human CLDN18 full-length ORF (NP_057453.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTTTCQVVAFLLSILGLAGCIAATGMDMWSTQDLVDNPVTSVFQYEGLWRSCVRQSSGFTECR
PYFTILGLPAMLQAVRALMIVGVLGAIGLLVSIFALKCIRIGSMEDSAKANMTLTSGIMFIVSGLCAIAG
VSVFANMLVTNFWMSTANMYTGMGGMVQTVQTRYTFGAALFVGWVAGGLTLIGGVMMCIACRGL
APEETNYKAVSYHASGHSVAYKPGGFKASTGFGSNTKNKKIYDGGARTEDEVQSYPSKHDYV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.3

Interspecies Antigen Sequence

Mouse (82); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CLDN18

Entrez GeneID	51208
GeneBank Accession#	NM_016369.3
Protein Accession#	NP_057453.1
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](#)