

Recombinant Full Length Human CLDN18 Protein, GST-tagged

Cat. No. CLDN18-692HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CLDN18(1 a.a. - 261 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	261 amino acids
Description	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (protein kinase C/mitogen-activated protein kinase/activator protein-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	54.3 kDa
AA Sequence	MSTTTCQVVA FLLSILGLAG CIAATGMDMW STQDLYDNPV TSVFQYEGLW

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RSCVRQSSGF TECRPYFTIL GLPAMLQAVR ALMIVGIVLG AIGLLVSIFA
LKCIRIGSME DSAKANMTLT SGIMFIVSGL CAIAGVSVFA NMLVTNFWMS
TANMYTGMGG MVQTVQTRYT FGAALFVGWV AGGLTLIGGV MMCIACRGLA
PEETNYKA VS YHASGHSVAY KPGGFKASTG FGSNTKNKKI YDGGARTEDE
VQSYPSKHDY V

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name CLDN18 claudin 18 [Homo sapiens]

Official Symbol CLDN18

Synonyms SFTA5; SFTPJ; surfactant associated 5; surfactant associated protein J; surfactant,
pulmonary associated protein J

Gene ID 51208

mRNA Refseq NM_016369

Protein Refseq NP_057453

MIM 609210

UniProt ID P56856

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