

PRODUCT INFORMATION

CLDN18.2 **Target Synonyms** SFTA5; SFTPI

Recombinant Cynomolgus CLDN18.2 protein with **Description**

N-terminal human Fc tag

Delivery In Stock **Uniprot ID** A0A2K5VV62 **Expression Host HEK293**

Tag N-Human Fc tag

Molecular

hFc(Glu99-Ala330) CLDN18.2(Asp28-Gln77) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 31.9 kDa after removal of the signal peptide.

The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue

staining.

Purity

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

Background 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. [provided

> Email: info@dimabio.com Website: www.dimabio.com

by RefSeq, Jun 2010]

Usage Research use only

Conjugate Unconjugated

Figure 1. Cynomolgus CLDN18.2 Protein, hFc Tag on SDS-PAGE under reducing condition.



