PRODUCT INFORMATION

Tag	C-Flag&Single Strep Tag
Expression Host	E.coli
Target	CLDN18.1
Description	Human CLDN18.1 cell-free full length protein-Nanodisc
Synonyms	SFTA5; SFTPJ
Uniprot ID	P56856-1
Protein Families	Transmembrane
Protein Pathways	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction
Molecular Weight	The human CLDN18.1 cell-free full length protein-Nanodisc has a MW of 30.1kDa
Delivery	1 week
Formulation & Reconstitution	Liquid, 20 mM HEPES, 150 mM NaCl, pH7.5
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Storage&Shipping	Store at -80℃, Ship on dry ice.
Purity	>80%
Background	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.
Usage	Research use only
Conjugate	Unconjugated

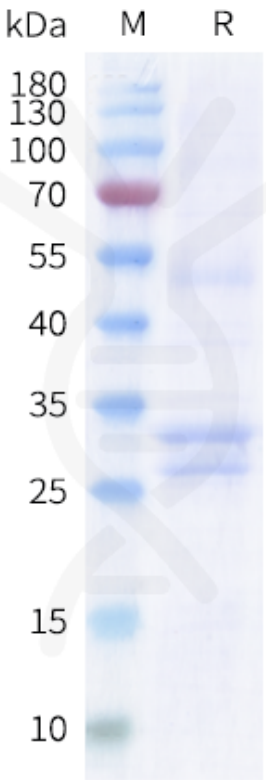

Figure 1. Human CLDN18.1 cell-free-Nanodisc,C-Flag&Single Strep Tag on SDS-PAGE.