

PRODUCT INFORMATION

Tag	C-Flag-Strep
Target	CLDN18.2
Synonyms	SFTA5; SFTPJ
Description	Human CLDN18.2 full length protein-Nanodisc
Delivery	1 week
Uniprot ID	P56856-2
Expression Host	E.coli
Protein Families	Transmembrane
Protein Pathways	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction
Molecular Weight	The human CLDN18.2 full length protein has a MW of 29.9kDa
Formulation & Reconstitution	Liquid, 20 mM HEPES, 150 mM NaCl, pH6.8
Storage&Shipping	Store at -80°C, Ship on dry ice.
Background	<p>The protein 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. [provided by RefSeq, Jun 2010]</p>
Purity	>80%
Usage	Research use only
Conjugate	Unconjugated

