OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC212135L1V

Claudin18 (CLDN18) (NM_016369) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin18 (CLDN18) (NM_016369) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CLDN18
Synonyms:	SFTA5; SFTPJ
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_016369
ORF Size:	783 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212135).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_016369.3
RefSeq Size:	3359 bp
RefSeq ORF:	786 bp
Locus ID:	51208
UniProt ID:	P56856
Cytogenetics:	3q22.3
Domains:	PMP22_Claudin
Protein Families:	Transmembrane

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Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

MW: 27.7 kDa

Gene Summary: 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. [provided by RefSeq, Jun 2010]