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Product datasheet for RC204466L1V

Claudin 1 (CLDN1) (NM_021101) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 1 (CLDN1) (NM_021101) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Claudin 1
Synonyms:	CLD1; ILVASC; SEMP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_021101
ORF Size:	633 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204466).`
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_021101.3
RefSeq Size:	3452 bp
RefSeq ORF:	636 bp
Locus ID:	9076
UniProt ID:	O95832
Cytogenetics:	3q28
Domains:	PMP22_Claudin
Protein Families:	Transmembrane

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Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Tight junction

MW: 22.7 kDa

Gene Summary: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. [provided by RefSeq, Jul 2008]