

## Product datasheet for **RC204882L4V**

### Claudin 3 (CLDN3) (NM\_001306) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 3 (CLDN3) (NM_001306) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Claudin 3
Synonyms:	C7orf1; CPE-R2; CPETR2; HRVP1; RVP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001306
ORF Size:	660 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204882).
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. <a href="#">More info</a>
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:	<a href="#">NM_001306.2</a>
RefSeq Size:	1318 bp
RefSeq ORF:	663 bp
Locus ID:	1365
UniProt ID:	<a href="#">O15551</a>
Cytogenetics:	7q11.23
Domains:	PMP22_Claudin
Protein Families:	Druggable Genome, Transmembrane



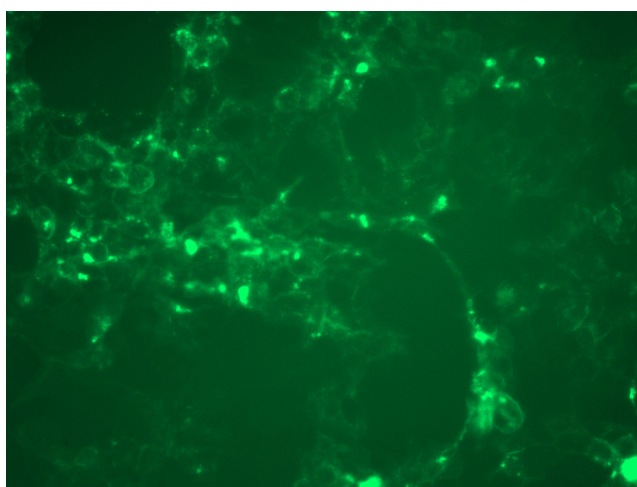
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**Protein Pathways:** Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

**MW:** 23.3 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 intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for *Clostridium perfringens* enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]

### Product images:



[RC204882L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC204882L4V particle to overexpress human CLDN3-mGFP fusion protein.