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Product datasheet for RC200490L2V

Claudin 4 (CLDN4) (NM_001305) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 4 (CLDN4) (NM_001305) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CLDN4
Synonyms:	CPE-R; CPER; CPETR; CPETR1; hCPE-R; WBSCR8
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001305
ORF Size:	627 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200490).`
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_001305.3
RefSeq Size:	1859 bp
RefSeq ORF:	630 bp
Locus ID:	1364
UniProt ID:	O14493
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: 22.1 kDa

Gene Summary: The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq, Sep 2013]