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Product datasheet for RC221281L3V

Claudin 10 (CLDN10) (NM_182848) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 10 (CLDN10) (NM_182848) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CLDN10
Synonyms:	CPETRL3; HELIX; OSP-L; OSPL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_182848
ORF Size:	678 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC221281).`
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_182848.3, NP_878268.1
RefSeq Size:	2658 bp
RefSeq ORF:	681 bp
Locus ID:	9071
UniProt ID:	P78369
Cytogenetics:	13q32.1
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

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MW: 24.3 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. The expression level of this gene is associated with recurrence of primary hepatocellular carcinoma. Six alternatively spliced transcript variants encoding different isoforms have been reported, but the transcript sequences of some variants are not determined.[provided by RefSeq, Jun 2010]