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Product datasheet for RC229728L3V

Claudin 2 (CLDN2) (NM_001171092) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 2 (CLDN2) (NM_001171092) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Claudin 2
Synonyms:	OAZON
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001171092
ORF Size:	690 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC229728).`
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_001171092.1, NP_001164563.1
RefSeq ORF:	693 bp
Locus ID:	9075
UniProt ID:	P57739
Cytogenetics:	Xq22.3
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction
MW:	25 kDa

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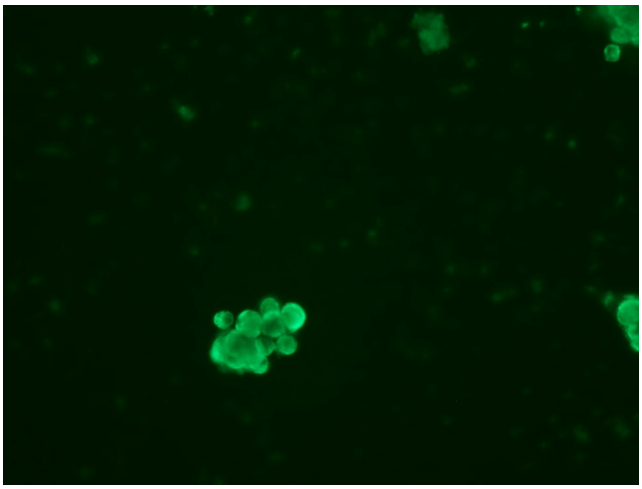
Gene Summary: This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]

Product images:



[RC229728L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC229728L3V particle to overexpress human CLDN2-Myc-DDK fusion protein.

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