

Product datasheet for **RC209820L4V**

Claudin 12 (CLDN12) (NM_012129) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 12 (CLDN12) (NM_012129) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Claudin 12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012129
ORF Size:	732 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209820).
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_012129.2
RefSeq Size:	3493 bp
RefSeq ORF:	735 bp
Locus ID:	9069
UniProt ID:	P56749
Cytogenetics:	7q21.13
Protein Families:	Transmembrane
MW:	26.9 kDa



[View online »](#)

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. This gene is expressed in the inner ear and bladder epithelium, and it is over-expressed in colorectal carcinomas. This protein and claudin 2 are critical for vitamin D-dependent Ca²⁺ absorption between enterocytes. Multiple alternatively spliced transcript variants encoding the same protein have been found.[provided by RefSeq, Sep 2011]