

## Product datasheet for **RC221232L2V**

### Claudin 23 (CLDN23) (NM\_194284) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Claudin 23 (CLDN23) (NM_194284) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Claudin 23
Synonyms:	CLDNL; hCG1646163
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_194284
ORF Size:	876 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221232).
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_194284.2</a>
RefSeq Size:	1972 bp
RefSeq ORF:	879 bp
Locus ID:	137075
UniProt ID:	<a href="#">Q96B33</a>
Cytogenetics:	8p23.1
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction
MW:	31.9 kDa



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**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 germinal center B-cells, placenta and stomach as well as in colon tumor. This gene is down-regulated in intestinal type gastric cancer. [provided by RefSeq, Aug 2010]