

## Product datasheet for **RC217122L4V**

### COL13A1 (NM\_005203) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	COL13A1 (NM_005203) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COL13A1
Synonyms:	alpha 1 type XIII collagen; collagen, type XIII, alpha 1; collagen alpha-1(XIII) chain; COLXIII A1; FLJ42485; OTTHUMP00000060587
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005203
ORF Size:	2151 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217122).
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_005203.3</a> , <a href="#">NP_005194.3</a>
RefSeq Size:	3136 bp
RefSeq ORF:	2153 bp
Locus ID:	1305
Cytogenetics:	10q22.1
MW:	69.9 kDa


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**Gene Summary:**

This gene encodes the alpha chain of one of the nonfibrillar collagens. The function of this gene product is not known, however, it has been detected at low levels in all connective tissue-producing cells so it may serve a general function in connective tissues. Unlike most of the collagens, which are secreted into the extracellular matrix, collagen XIII contains a transmembrane domain and the protein has been localized to the plasma membrane. The transcripts for this gene undergo complex and extensive splicing involving at least eight exons. Like other collagens, collagen XIII is a trimer; it is not known whether this trimer is composed of one or more than one alpha chain isomer. A number of alternatively spliced transcript variants have been described, but the full length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]