

Product datasheet for **RC215981L4V**

Collagen XV (COL15A1) (NM_001855) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Collagen XV (COL15A1) (NM_001855) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Collagen XV
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001855
ORF Size:	4164 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215981).
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_001855.2
RefSeq Size:	5222 bp
RefSeq ORF:	4167 bp
Locus ID:	1306
UniProt ID:	P39059
Cytogenetics:	9q22.33
MW:	141.72 kDa


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Gene Summary:

This gene encodes the alpha chain of type XV collagen, a member of the FACIT collagen family (fibril-associated collagens with interrupted helices). Type XV collagen has a wide tissue distribution but the strongest expression is localized to basement membrane zones so it may function to adhere basement membranes to underlying connective tissue stroma. The proteolytically produced C-terminal fragment of type XV collagen is restin, a potentially antiangiogenic protein that is closely related to endostatin. Mouse studies have shown that collagen XV deficiency is associated with muscle and microvessel deterioration. [provided by RefSeq, May 2013]