

## Product datasheet for **RC213335L4V**

### COL5A2 (NM\_000393) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	COL5A2 (NM_000393) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COL5A2
Synonyms:	EDSC; EDSCL2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000393
ORF Size:	4497 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213335).
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_000393.3</a> , <a href="#">NP_000384.2</a>
RefSeq Size:	6930 bp
RefSeq ORF:	4500 bp
Locus ID:	1290
UniProt ID:	<a href="#">P05997</a>
Cytogenetics:	2q32.2
Domains:	COLFI, VWC, Collagen
Protein Families:	Druggable Genome



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**Protein Pathways:** ECM-receptor interaction, Focal adhesion

**MW:** 144.7 kDa

**Gene Summary:** This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. [provided by RefSeq, Jul 2008]