

## Product datasheet for RC215981L3

#### OriGene Technologies, Inc.

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## Collagen XV (COL15A1) (NM\_001855) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Collagen XV (COL15A1) (NM 001855) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Collagen XV
Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

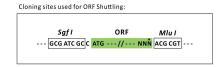
ORF Nucleotide The O

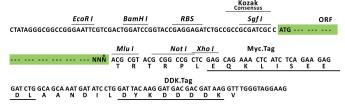
Sequence:

The ORF insert of this clone is exactly the same as(RC215981).

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001855 **ORF Size:** 4164 bp





### Collagen XV (COL15A1) (NM\_001855) Human Tagged Lenti ORF Clone - RC215981L3

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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001855.2</u>

 RefSeq Size:
 5222 bp

 RefSeq ORF:
 4167 bp

 Locus ID:
 1306

 UniProt ID:
 P39059

Cytogenetics: 9q22.33

MW: 141.72 kDa

Gene Summary: This gene encodes the alpha chain of type XV collagen, a member of the FACIT collagen family

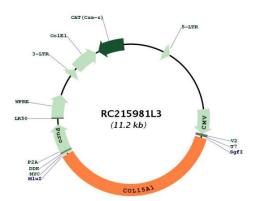
(fibril-associated collagens with interrupted helices). Type XV collagen has a wide tissue distribution but the strongest expression is localized to basement membrane zones so it may

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]



# **Product images:**



Circular map for RC215981L3