

## **Product datasheet for RC202240L3**

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OriGene Technologies, Inc.

## COL8A1 (NM\_020351) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: COL8A1 (NM\_020351) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:COL8A1Synonyms:C3orf7

Mammalian Cell Puromycin

Selection:

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

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

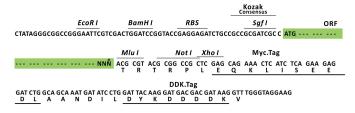
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202240).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





st The last codon before the Stop codon of the ORF.

ACCN: NM\_020351

ORF Size: 2232 bp





## COL8A1 (NM\_020351) Human Tagged Lenti ORF Clone - RC202240L3

**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.

73.4 kDa

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 020351.2</u>

 RefSeq Size:
 3029 bp

 RefSeq ORF:
 2235 bp

 Locus ID:
 1295

 UniProt ID:
 P27658

Cytogenetics: 3q12.1

MW:

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes one of the two alpha chains of type VIII collagen. The gene product is a

short chain collagen and a major component of the basement membrane of the corneal endothelium. The type VIII collagen fibril can be either a homo- or a heterotrimer.

Alternatively spliced transcript variants encoding the same protein have been observed.

[provided by RefSeq, Dec 2011]