

## Product datasheet for RC206055L3

# OriGene Technologies, Inc.

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## P4HA1 (NM\_001017962) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** P4HA1 (NM\_001017962) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:P4HA1

Synonyms: P4HA

Selection:

**Mammalian Cell** 

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

Puromycin

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

ORF Nucleotide The

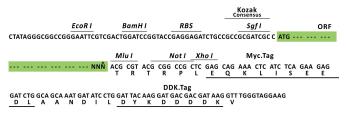
The ORF insert of this clone is exactly the same as(RC206055).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_001017962

ORF Size: 1602 bp





### P4HA1 (NM\_001017962) Human Tagged Lenti ORF Clone - RC206055L3

**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 001017962.1</u>, <u>NP 001017962.1</u>

 RefSeq Size:
 2860 bp

 RefSeq ORF:
 1605 bp

 Locus ID:
 5033

 UniProt ID:
 P13674

 Cytogenetics:
 10q22.1

**Protein Families:** Druggable Genome, P450

**Protein Pathways:** Arginine and proline metabolism, Metabolic pathways

**MW:** 61 kDa

**Gene Summary:** This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis

composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of

the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding

different isoforms have been described. [provided by RefSeq, Jul 2008]