

## Product datasheet for RC204714L3

## OriGene Technologies, Inc.

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## Apolipoprotein CIV (APOC4) (NM\_001646) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Apolipoprotein CIV (APOC4) (NM\_001646) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Apolipoprotein CIV

Synonyms: APO-CIV; APOC-IV

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

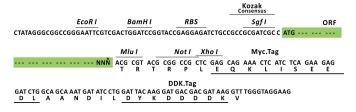
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204714).

Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf I ORF MIU I
----GCG ATC GC
ATG ---//--- NNN ACG CGT ---



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

**ACCN:** NM\_001646

ORF Size: 381 bp



## Apolipoprotein CIV (APOC4) (NM\_001646) Human Tagged Lenti ORF Clone - RC204714L3

**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 001646.1</u>

RefSeq Size:622 bpRefSeq ORF:384 bpLocus ID:346

 UniProt ID:
 P55056

 Cytogenetics:
 19q13.32

**Protein Families:** Secreted Protein

**MW:** 14.6 kDa

**Gene Summary:** This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The

protein is thought to play a role in lipid metabolism. Polymorphisms in this gene may

influence circulating lipid levels and may be associated with coronary artery disease risk. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring

downstream apolipoprotein C-II (APOC2) gene. [provided by RefSeq, Mar 2011]