

## Product datasheet for RR211896L4

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# Coq6 (NM\_001011983) Rat Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Coq6 (NM\_001011983) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Coq6

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this cl

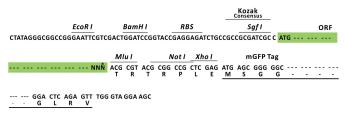
Sequence:

The ORF insert of this clone is exactly the same as(RR211896).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



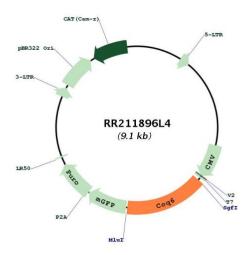


<sup>\*</sup> The last codon before the Stop codon of the ORF.





#### Plasmid Map:



**ACCN:** NM\_001011983

ORF Size: 1428 bp

**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 001011983.1</u>, <u>NP 001011983.1</u>

RefSeq Size: 1762 bp



## Coq6 (NM\_001011983) Rat Tagged Lenti ORF Clone - RR211896L4

RefSeq ORF: 1431 bp
Locus ID: 299195
UniProt ID: Q68FU7
Cytogenetics: 6q31

**Gene Summary:** FAD-dependent monooxygenase required for the C5-ring hydroxylation during ubiquinone

biosynthesis. Catalyzes the hydroxylation of 3-polyprenyl-4-hydroxybenzoic acid to 3-polyprenyl-4,5-dihydroxybenzoic acid. The electrons required for the hydroxylation reaction may be funneled indirectly from NADPH via a ferredoxin/ferredoxin reductase system to

COQ6.[UniProtKB/Swiss-Prot Function]