

Product datasheet for RR202000

Cox17 (NM 053540) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cox17 (NM 053540) Rat Tagged ORF Clone

Tag: Myc-DDK Symbol: Cox17

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >RR202000 representing NM_053540 Red=Cloning site Blue=ORF Green=Tags(s)

Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCCGGGACTGGCTGCCGCTGCCCCGCCCGAGGCTCAGGAGAAGAAGCCTCTGAAGCCCTGCT GTGCCTGCCCGGAGACCAAGAAGGCGCGTGATGCGTGCATCATTGAGAAAGGAGAAGAACACTGTGGACA

TCTCATCGAGGCCCACAAGGAGTGCATGAGAGCGCTGGGATTTAAGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

>RR202000 representing NM_053540 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MPGLAAASPAPPEAQEKKPLKPCCACPETKKARDACIIEKGEEHCGHLIEAHKECMRALGFKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3655_a07.zip

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

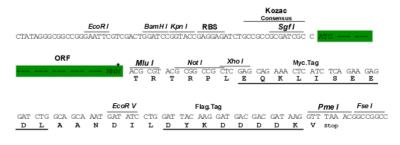
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_053540

ORF Size: 189 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 053540.2</u>, <u>NP 445992.1</u>

RefSeq Size: 440 bp



 RefSeq ORF:
 192 bp

 Locus ID:
 89786

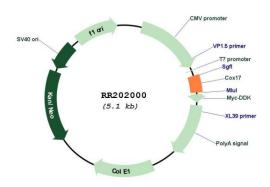
 Cytogenetics:
 11q21

 MW:
 6.8 kDa

Gene Summary: may be essential for the assembly of functional cytochrome c oxidase and delivery of copper

ions to the mitochondrion [RGD, Feb 2006]

Product images:



Circular map for RR202000