

Product datasheet for **SC201323**

COX17 (NM_005694) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: COX17 (NM_005694) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: COX17

ACCN: NM_005694

Insert Size: 168 bp

Insert Sequence: >SC201323 3'UTR clone of NM_005694
The sequence shown below is from the reference sequence of NM_005694. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGCATGAGAGCCCTAGGATTTAAAATAATGAATGGTGGTCTGCTGTGTGAATAAATAATTCCTGAAGAA
TGAAGAAGATTAATTTTGGGAGTTCTTTGACGAACTTTGATATGTGAAAAAGTATTATAATTTATTG
TAAGAAGAAAGTAAATATTACTAGTGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_005694.2](#)



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Summary:

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be involved in the recruitment of copper to mitochondria for incorporation into the COX apoenzyme. This protein shares 92% amino acid sequence identity with mouse and rat Cox17 proteins. This gene is no longer considered to be a candidate gene for COX deficiency. A pseudogene COX17P has been found on chromosome 13. [provided by RefSeq, Jul 2008]

Locus ID:

10063

MW:

6.3