

Product datasheet for **SC213477**

COX16 (NM_016468) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COX16 (NM_016468) Human 3' UTR Clone
Symbol:	COX16
Synonyms:	C14orf112; hCOX16; HSPC203
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016468
Insert Size:	1282 bp



[View online »](#)

Insert Sequence: >SC213477 3'UTR clone of NM_016468
The sequence shown below is from the reference sequence of NM_016468. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGCATCGCC
CCAGAAAGCCTTAAGACTAAGACAACTGACTCTGCTGATTCTTTTTTCTTTTTTTTTTTTTTAAATA
AAAATATTATTAACTGGACTTCCTAATATATACTTCTATCAAGTGAAAGGAAATTCAGGCCCATGGA
AACTTGGATATGGGAATTTGATGACAAATAATCTTCACTAAAGGTCATGTACAGGTTTTTATACTTCC
CAGCTATTCCATCTGTGGATGAAAGTAACAATGTTGGCCACGTATATTTACACCTCGAAATAAAAAAT
GTGAATACTGCTCAAAAACAGAGTCACGTATTCCTACTCTCAACTACCCACATATTCCTTTTGAATA
GCCATTAGGGCATCATTTTGATATTTCTTCTGATTTCTGATTCTCTGATTCTCTGATTCTCTAATGAGGA
CAGTAGGTCTGGATCCAAATTCACAGTAAAAAACAAGCAGTAATTTCTCTCATATCTATTAGGGAAA
GAAAAATGATCACAGTCTGCTAAGAGTCTTGATTTTCTTTGTAATGCCTCACATAGTATGATAATCAGT
CTCCAAAGCATCATGATAATTACAATGATACCATTAACATGTCAAGGAAATTATATTATTATGGTT
GTCAAAAATTATGAAGTAGTGTATGATTATAAGCAGATATGGCAAATTTGTTTCAGTAAATCCATAGATG
ACTACATTTTGAGAAATACTAAGATAATACTAAAAATTATGCCTTAGCATAATTTGCATGCAAAATTGC
CCTCTAGTGTTTTGTTTTGTTTTGAGACATAGTCTCGCTCTGTTGCGCCAGGCTGGAGTGCAGGGGCA
CGATCTCTGCTCACTGCAAGCTCTGCTTCCCGGGTTCACACCATCTCTGCTCAGCATCTGAGTAG
CTGGGACTACAGGCACATGCTGTACACCCGGCTAATTTTTGTATTTAGTAGAGATGGGGTTTACCA
CGTTAGCCAGGATGGTCTCCATCTCCTGACCTTGATCCGCCACCTCGGCCTCACAAATTGCTGGGA
TTACAGGTGTGAGCCACCACGCCTGGCCGAAAGTTAGTTGTTTTGAACTATTTTCTCTTTTACCCC
TGCCTTTATCAGCTTCTACCTTCTGGTTTCATGCTGAGTTCTAGTTGCCTAAAGTCTCCATTGAAACAC
TCCTGTTATAATTGCCATAAAATCATAAATCCACTCCCCCTTCTCTCTAGTCAAAATTTGATTCT
TTTCAGCAGGTTGGTTTTAATAAAAGTAAATTAAGTTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

```

Restriction Sites: SgfI-MluI

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_016468.7](#)

Summary: Required for the assembly of the mitochondrial respiratory chain complex IV (CIV), also known as cytochrome c oxidase (PubMed:29355485, PubMed:29381136). Promotes the insertion of copper into the active site of cytochrome c oxidase subunit II (MT-CO2/COX2) (PubMed:29355485, PubMed:29381136). Interacts specifically with newly synthesized MT-CO2/COX and its copper center-forming metallochaperones SCO1, SCO2 and COA6 (PubMed:29381136). Probably facilitates MT-CO2/COX2 association with the MITRAC assembly intermediate containing MT-CO1/COX1, thereby participating in merging the MT-CO1/COX1 and MT-CO2/COX2 assembly lines (PubMed:29381136).[UniProtKB/Swiss-Prot Function]

Locus ID: 51241

MW: 48.7