

Product datasheet for SC201496

Cytochrome C Oxidase subunit VIc (COX6C) (NM_004374) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome C Oxidase subunit VIc (COX6C) (NM_004374) Human 3' UTR Clone
Symbol:	Cytochrome C Oxidase subunit VIc
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004374
Insert Size:	446 bp
Insert Sequence:	<p>>SC201496 3'UTR clone of NM_004374</p> <p>The sequence shown below is from the reference sequence of NM_004374. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
AAGGCTGGTATCTTTAGAGTGTAAGTAATCTTGAATATAAAGAATTTCTTCAGTTGAATTACCTA
GAAGTTTGTCACTGACTTGTGTTCTGAAGTATGACACATGAATATGTGGGCTAAGAAATAGTTCCTCT
TGATAAAATAACAATTAACAAATCTTTGGACAGTAAGTCTTCTCAGTTCTTAATGATAATGCAGGGC
ACTTACTAGCATAAGAATTGGTTTGGGATTTAACTGTTTATGAAGCTAACTTGATTCCGTGTTTGTG
AAAATTTTCATTGTTCTAGCACATCTTTAACTGTGATAGTTTGTCCGTTTCATTGCAGTTACTTGGTCTT
GGGCTATGGATTAATAAAGTGTCTTCATGAGCCTGTAAGACTACTGTACTGTGGGCTCTAAGAAGAGAT
AGAATCCTAATAAAATCTATCCTTGGCCTTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

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:	<u>NM_004374.4</u>


[View online »](#)

Summary:	Cytochrome c oxidase, the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It 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 be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIc, which has 77% amino acid sequence identity with mouse subunit VIc. This gene is up-regulated in prostate cancer cells. A pseudogene has been found on chromosomes 16p12. [provided by RefSeq, Jul 2010]
Locus ID:	1345
MW:	17.2