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Product datasheet for SC202084

COX6A1 (NM_004373) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COX6A1 (NM_004373) Human 3' UTR Clone
Symbol:	COX6A1
Synonyms:	CMTRID; COX6A; COX6AL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004373
Insert Size:	223 bp
Insert Sequence:	>SC202084 3'UTR clone of NM_004373 The sequence shown below is from the reference sequence of NM_004373. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCACTTCCAACTGGCTACGAAGATGAATAAAGAGAATCTGGACCACTACCCGGGCACCAGGGACCACAG CACTGGTTTGGACCGTTACTCTGCACATGGACCAGAAAAAGTATATGGGACCTTAAGCTCACCTTCTTT ACTTGTATCAAATGATGACTGGTATACTGGTCTCCCATCCCTTTGCTTGTGGCAGGAGATGGCTTAAAT AAATAACTTAAATTTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_004373.4

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Summary: Cytochrome c oxidase (COX), 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 the electron transfer and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 1 (liver isoform) of subunit VIa, and polypeptide 1 is found in all non-muscle tissues. Polypeptide 2 (heart/muscle isoform) of subunit VIa is encoded by a different gene, and is present only in striated muscles. These two polypeptides share 66% amino acid sequence identity. It has been reported that there may be several pseudogenes on chromosomes 1, 6, 7q21, 7q31-32 and 12. However, only one pseudogene (COX6A1P) on chromosome 1p31.1 has been documented. [provided by RefSeq, Jul 2008]

Locus ID: 1337

MW: 8.5