

## Product datasheet for **SC203288**

### COX7A2 (NM\_001865) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	COX7A2 (NM_001865) Human 3' UTR Clone
Symbol:	COX7A2
Synonyms:	COX7AL; COX7AL1; COXVIIa-L; COXVIIAL; VIIAL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001865
Insert Size:	173 bp
Insert Sequence:	>SC203288 3'UTR clone of NM_001865 The sequence shown below is from the reference sequence of NM_001865. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> GTGGCTTCATTTCCAAGAAGCAGGAG <b>TGA</b> CTTCAGTCATCCCAGCAATCGCTTGGTTTCAGTTTCATTC AGCTCTCTATGGACCAGTAATCTGATAAATAACCGAGCTCTTCTTTGGGGATCAATATTTATTGACTTG TAGTAACTGCCACCAATAAAGCAGTCTTACCATG <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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><a href="#">NM_001865.6</a></u>



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**Summary:**

Cytochrome c oxidase, 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 three catalytic subunits encoded by mitochondrial genes, and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, while the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, which is present in all tissues. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4 and 14. [provided by RefSeq, Oct 2009]

**Locus ID:**

1347

**MW:**

6.3