

Product datasheet for **SC201196**

Cytochrome C Oxidase subunit VIb (COX6B1) (NM_001863) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome C Oxidase subunit VIb (COX6B1) (NM_001863) Human 3' UTR Clone
Symbol:	Cytochrome C Oxidase subunit VIb
Synonyms:	COX6B; COXG; COXVIb1; MC4DN7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001863
Insert Size:	165 bp
Insert Sequence:	>SC201196 3'UTR clone of NM_001863 The sequence shown below is from the reference sequence of NM_001863. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GCTGAAGGCACGTTTCCCGGGAAGATC TGA ACTGGCTGCATCTCCCTTTCCTCTGTCCTCCATCCTTCT CCCAGGATGGTGAAGGGGACCTGGTACCCAGTGATCCCCACCCAGGATCCTAAATCATGACTTACCT GCTAATAAAAACTCATTGAAAAAGTGA ACGCGT AAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA 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>NM_001863.5</u>



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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 electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIb. Mutations in this gene are associated with severe infantile encephalomyopathy. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively. [provided by RefSeq, Jan 2010]

Locus ID:

1340

MW:

5.8