

Product datasheet for **SC201042**

COX4 (COX4I1) (NM_001861) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COX4 (COX4I1) (NM_001861) Human 3' UTR Clone
Symbol:	COX4
Synonyms:	COX4; COX4-1; COXIV; COX IV-1; COXIV-1; MC4DN16
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001861
Insert Size:	147 bp
Insert Sequence:	>SC201042 3' UTR clone of NM_001861 The sequence shown below is from the reference sequence of NM_001861. The complete sequence of this clone may contain minor differences, such as SNPs. Red =Cloning site Blue =Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC TTAGCCTCCAAGTGGGACTACGAAAAGAACGAGTGGAAGAAGTGAAGATGCTGGCCTGCGCCTGCACCT GCGCCTGGCTCTGTACCGCCATGCAACTCCATGCCTATTTACTGGAAACCTGTTATGCCAAACAGTTGT ACCACTG ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
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_001861.2</u>



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Summary:

Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. Pseudogenes related to this gene are located on chromosomes 13 and 14. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Locus ID:

1327