

## Product datasheet for **MC226044**

### Cox4i1 (NM\_001293559) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cox4i1 (NM\_001293559) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cox4i1  
**Synonyms:** AL024441; COX; Cox4; Cox4a; COXIV; COX IV-1; IV-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226044 representing NM\_001293559  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTGGCTTCCAGAGCGCTGAGCCTGATTGGCAAGAGAGCCATTTCTACTTCGGTGTGCCTTCGAGCAC  
 ATGGGAGTGTGTGAAGAGTGAAGACTATGCTTTCCCACTTACGCTGATCGGCGTGACTACCCCTTGCC  
 TGATGTGGCCATGTCACGATGTGTCTGCCAGCCAGAAGGCGCTGAAGGAGAAGGAGAAGGCCGACTGG  
 AGCAGCCTTTCCAGGGATGAGAAAGTTCAGTTGTACCGCATCCAGTTAACGAGAGCTTCGCCGAGATGA  
 ACAGGGGCACCAATGAATGGAAGACAGTTGTGGGCATGGCCATGTTCTTCATTGGCTTCACTGCGCTCGT  
 TCTGATTTGGGAGAAGAGCTATGTGTATGGCCCATCCCTCATACTTTGATCGTGACTGGTGGCCATG  
 CAGACCAAGCGAATGCTGGACATGAAGGCCAACCCATTAGGGCTTCTCCGCCAAGTGGGACTATGACA  
 AGAATGAGTGAAGAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001293559  
**Insert Size:** 510 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001293559.1</a> , <a href="#">NP_001280488.1</a>
<b>RefSeq Size:</b>	687 bp
<b>RefSeq ORF:</b>	510 bp
<b>Locus ID:</b>	12857
<b>UniProt ID:</b>	<a href="#">P19783</a>
<b>Cytogenetics:</b>	8 69.99 cM
<b>Gene Summary:</b>	<p>This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded protein (isoform 2) has a shorter N-terminus, compared to isoform 1.</p>