

## Product datasheet for MC202090

### Cox5a (NM\_007747) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cox5a (NM_007747) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cox5a
Synonyms:	AA959768; CcOX
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC034302 sequence for NM_007747 CTCACACCGGCTTCTCGTCAGCCTCAGCCAGTGCCTGTGGTCGCGTCATGCTCGCCGCTGCCCTCCGT CGCTGTACCGCAGCCGCGGCTGCCGAGGCCTCCTGCACCCCGCTCGGCTCCCAGCCCCGCGCGCTG TCTGTTCCATTGCTGCTATTCTCATGGGTCACACGAGACAGATGAGGAGTTGATGCTCGCTGGGTGAC ATATTTCAACAAGCCAGACATTGATGCCTGGAATTGCGTAAAGGGATGAATACACTTGTGGCTATGAT CTGTTCTGAGCCAAAATCATTGATGCTGCATTGCGAGCATGTAGACGGTTAAATGATTTTGCTAGTG CTGTTTCGATCTTGGAGTTGTTAAGGACAAAGCAGGACCTCATAAGGAAATCTATCCCTATGTCATCCA GGAAC TTAGACCAACTTTAAATGAATTGGGAATCTCCACTCCAGAGGAGCTGGGCCTTGACAAAGTGTA ACTCCCTTCGATGGGCTTCTAAGGACTTAAGTCTATTGCTACTTGATTGAAACAGTTGCCTGGAAATG TTTTATTTGAACAAATTTTCTTTGAGTATCAAACCATGTAATAGTAACTGGACTTTAATAAAGGGAAA TGAGTTTGAAGTAAA AAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_007747
Insert Size:	441 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).
Components:	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).



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [BC034302](#), [AAH34302](#)

**RefSeq Size:** 703 bp

**RefSeq ORF:** 441 bp

**Locus ID:** 12858

**UniProt ID:** [P12787](#)

**Cytogenetics:** 9 B

**Gene Summary:** This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.[UniProtKB/Swiss-Prot Function]