

## Product datasheet for **RN209637**

### Cox8a (NM\_134345) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cox8a (NM_134345) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cox8a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209637 representing NM_134345 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTTCCTGACGCCGCTGCTGCTGAGGAGCCTGACCGGCCCGCCCGCGGCTTATGGTGCCGCGGG  
CTCAGGTCCACTCGAAGCCGCCGCGGGAGCAGCTCGGGTCTGGATATCACCATTGGGCTCACTTCCTG  
CTTCGTGTGTTGCTTCTACCTGCGGGCTGGTCTGTACACCTGAAAAGCTACAAGAAGCGGGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_134345
Insert Size:	210 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:** [NM\\_134345.1](#), [NP\\_599172.1](#)

**RefSeq Size:** 495 bp

**RefSeq ORF:** 210 bp

**Locus ID:** 171335

**UniProt ID:** [P80433](#)

**Cytogenetics:** 1q43

**Gene Summary:** subunit of the cytochrome c oxidase enzyme which acts in the mitochondrial respiratory chain [RGD, Feb 2006]