

Product datasheet for **MC210647**

Coa6 (NM_174987) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Coa6 (NM_174987) Mouse Untagged Clone
Tag: Tag Free
Symbol: Coa6
Synonyms: 1810063B05Rik; AI447995
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210647 representing NM_174987
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCCCCTCCATGAAGGAAAGGCAGGCATGCTGGGGTGCGCGGACCTGTACTGGCGCTGCCTGG
ACGACAACGCGGAGGACGCGCCCGGTGCCAGAAGCTGAGGAGCTCGTTTCGAGGCCAGCTGCCCCAGCA
GTGGATAAAATATTTTGACAAAAGAAGAGACTACTTAAAATTC AAGGAAAAATTTGAAGCAGGAGGATTC
CAGTCTTCACAGTCGACTGAAAATTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_174987
Insert Size: 240 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_174987.4](#), [NP_778152.1](#)

RefSeq Size: 780 bp

RefSeq ORF: 240 bp

Locus ID: 67892

UniProt ID: [Q8BGD8](#)

Cytogenetics: 8 E2

Gene Summary: Involved in the maturation of the mitochondrial respiratory chain complex IV subunit MT-CO2/COX2. Thereby, may regulate early steps of complex IV assembly. Mitochondrial respiratory chain complex IV or cytochrome c oxidase is the component of the respiratory chain that catalyzes the transfer of electrons from intermembrane space cytochrome c to molecular oxygen in the matrix and as a consequence contributes to the proton gradient involved in mitochondrial ATP synthesis. May also be required for efficient formation of respiratory supercomplexes comprised of complexes III and IV.[UniProtKB/Swiss-Prot Function]