

Product datasheet for **MC225487**

Cox6b2 (NM_001289850) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox6b2 (NM_001289850) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cox6b2
Synonyms: 1700067P11Rik; BC048670; COXVIB2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225487 representing NM_001289850
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGGGTGTTCAAGCCAGAAAGCCCCCTCCGGGCAATGGACAACGCCGCCCTTTGATCCGCGCTTCC
CTAACCCAGAACCCAGACGCGTAAGTCTACCAGAAATTTCTGGACTACCACGGTGTGTAAGACCATGAA
TCGCCCGGAAAGAGCACACAACCCTGTGCAGCGCTGGAATGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001289850

Insert Size: 183 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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).



[View online >](#)

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_001289850.1](#), [NP_001276779.1](#)

RefSeq Size: 521 bp

RefSeq ORF: 183 bp

Locus ID: 333182

UniProt ID: [Q80ZN9](#)

Cytogenetics: 7 A1

Gene Summary: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. This protein may be one of the heme-binding subunits of the oxidase (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (5) differs in the 5' UTR and uses an alternate splice site in the 3' coding region, resulting in a frameshift and an early stop codon, compared to variant 3. It encodes isoform 3, which is shorter and has a distinct C-terminus, compared to isoform 1.