

Product datasheet for **MR227782**

Cox6b2 (NM_001289849) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox6b2 (NM_001289849) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cox6b2
Synonyms: 1700067P11Rik; BC048670; COXVIB2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227782 representing NM_001289849
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGTTGGGTGTTCAAGCCAGAAGCCCCCTCCGGCCAATGGACAACGCCGCCCTTTGATCCGCGCTTCC
CTAACCAGAACCAGACGCGTAACTGCTACCAGAATTTTCTGGACTACCACCGGTGTGTAAGACCATGAA
TCGCCGCGGAAAGAGCACACAACCTGCGAGTGCAGCGCTGGAATGAGCAGATCAAGCAGGGAACTTTCC
CGGGCAAATATGACCTTGCACTTGAGCGCTGCTCCCCTGGCGTCATCAACCC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227782 representing NM_001289849
Red=Cloning site Green=Tags(s)

MLGVQAQKPPPGQWTTTPFDPRFPNQNRNCYQNFLDYHRCVKTMNRRGKSTQPCECSAGMSRSSRELS
RAKYDLALERCSPGVINP

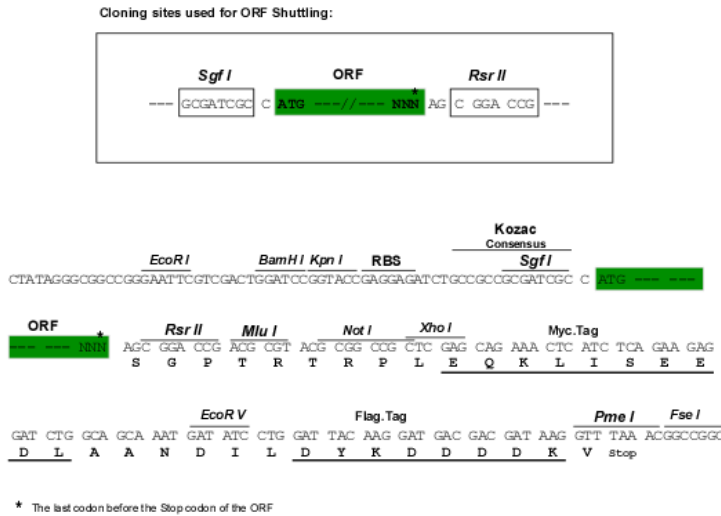
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

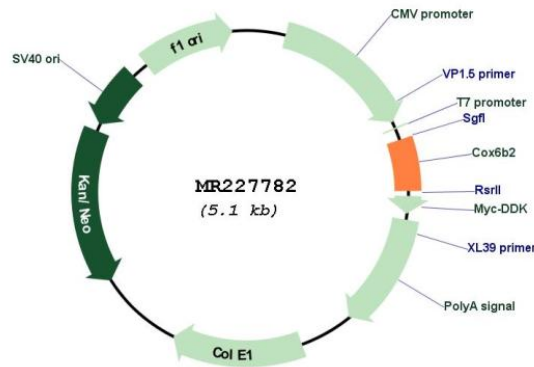


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001289849

ORF Size: 264 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001289849.1</u> , <u>NP_001276778.1</u>
RefSeq Size:	525 bp
RefSeq ORF:	267 bp
Locus ID:	333182
UniProt ID:	<u>Q80ZN9</u>
Cytogenetics:	7 A1
MW:	10.5 kDa
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]