

Product datasheet for MR202993

Coq10b (BC062129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coq10b (BC062129) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coq10b
Synonyms:	1500041J02Rik; 1700030I21Rik; 9530077A17Rik; AV002237; AW742641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202993 representing BC062129 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCATGGCAGCTCGGACCAGTCAGAGGGCCCTGGCGAGGGTGGCATCGGGGTGCCATCCGAAGTCGA
CCACCGTGACGGAAGCCCCGGCGCGGGGTCTGCGCGGACGTCAGACACTTAGCTGCCTGTGGTGTACT
GATAAACAGAACCCTTCCACCGTGTGCTGCAGTTTTGCCATAAGAGATCTGTGCGAGAACCCTTCTCAGA
ATCTCTGCGCCACTAGTAAATAAACGAAAGGAGTATTCAGAGAGAAGAATTCTAGGGTACTCAATGCAAG
AAATGTATGACGTAGTATCAGGAATGGAGGACTATCAGCATTTCGTTCCCTGGTGTAAAAAGTCAGATAT
AATATCAAGGCGATCTGGATACTGTAAAACCAGATTAGAAGTTGGGTTCACCCCGTTCTGGAGAGATAC
ACATCAATAGTAACCTTGGTAAAACCGCACTTGGTAAAGGCATCTTGTACTGATGGGAAACTTTTCAATC
ATTTGGAGACTATTTGGCGTTTTAGCCCAGGTCTTCTGGCTATCCAAGAAGTGTACCTTGGATTTTTC
AATTTCTTTTGAATTCGCTCCCTTCTGCACTCTCAGCTCGCTACTCTGTCTTCGATGAAGTTGTGAAA
CAAATGGTAGCAGCCTTTGAAAGAAGAGCCTGTAACTGTATGGTCCAGAGACAAACATACCTCGGGAAT
TAATGCTTCATGAAATTCACCACACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202993 representing BC062129
Red=Cloning site Green=Tags(s)

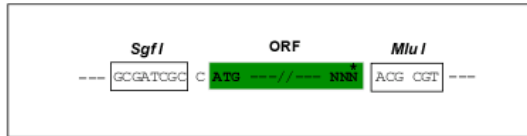
MIMAARTSQRALARVASGCHPKSTTVEAPARGSARDVRHLAACGVLINRTLPPCAAVLPKEICARTFFR
 ISAPLVNKRKEYSERRILGYSMQEMDYDVVSGMEDYQHFVPWCKKSDIISRRSGYCKTRLEVGFPPVLERY
 TSIVTLVKPHLVKASCTDGKLFNHLETIWRFSPLPGYPRTCTLDFSISFEFRSLLLHSQLATLFFDEVVK
 QMVAAFERRACKLYGPETNIPREMLLHEIHHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC062129

ORF Size: 726 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:

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: [BC062129.1](#)

RefSeq Size: 1286 bp

RefSeq ORF: 728 bp

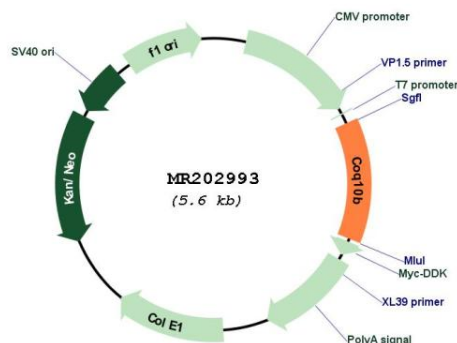
Locus ID: 67876

Cytogenetics: 1 C1.2

MW: 47.1 kDa

Gene Summary: Required for the function of coenzyme Q in the respiratory chain. May serve as a chaperone or may be involved in the transport of Q6 from its site of synthesis to the catalytic sites of the respiratory complexes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202993