

Product datasheet for **MG202993**

Coq10b (BC062129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coq10b (BC062129) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Coq10b
Synonyms:	1500041J02Rik; 1700030I21Rik; 9530077A17Rik; AV002237; AW742641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202993 representing BC062129 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCATGGCAGCTCGGACCAGTCAGAGGGCCCTGGCGAGGGTGGCATCGGGTGCCATCCGAAGTCGA
CCACCGTGACGGAAGCCCCGGCGCGGGGTCTGCGCGGACGTCAGACACTTAGCTGCCTGTGGTGTACT
GATAAACAGAACCCTTCCACCGTGTCTGCAGTTTTGCCATAAGAGATCTGTGCGAGAACCCTTCTCAGA
ATCTCTGCGCCACTAGTAATAAACGAAAGGAGTATTCAGAGAGAAGAATTCTAGGGTACTCAATGCAAG
AAATGTATGACGTAGTATCAGGAATGGAGGACTATCAGCATTTTCGTTCCCTGGTGTAAAAAGTCAGATAT
AATATCAAGGCGATCTGGATACTGTAAAACAGATTAGAAGTTGGGTTCCCCCGGTTCTGGAGAGATAC
ACATCAATAGTAACCTTGGTAAAACCGCACTTGGTAAAGGCATCTTGTACTGATGGGAAACTTTTCAATC
ATTTGGAGACTATTTGGCGTTTTAGCCCAGGTCTTCTGGCTATCCAAGAAGTGTACCTTGGATTTTTC
AATTTCTTTTGAATTCGCTCCCTTCTGCACTCTCAGCTCGCTACTCTGTCTTCGATGAAGTTGTGAAA
CAAATGGTAGCAGCCTTTGAAAGAAGAGCCTGTAACTGTATGGTCCAGAGACAAACATACCTCGGGAAT
TAATGCTTCATGAAATTCACCACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202993 representing BC062129
Red=Cloning site Green=Tags(s)

MIMAARTSQRALARVASGCHPKSTTVTEAPARGSARDVRHLAACGVLINRTLPPCAAVLPKEICARTFFR
 ISAPLVNKRKEYSERRILGYSMQEMYDVSVMEDYQHFVPWCKKSDIISRSGYCKTRLEVGFPVFLERY
 TSIVTLVKPHLVKASCTDGKLFNHLETIWRFSPLPGYPRTCTLDFSISFEFRSLLHSQLATLFFDEVVK
 QMVAAFERRACKLYGPETNIPREMLLHEIHHT

TRTRPLE - GFP Tag - V

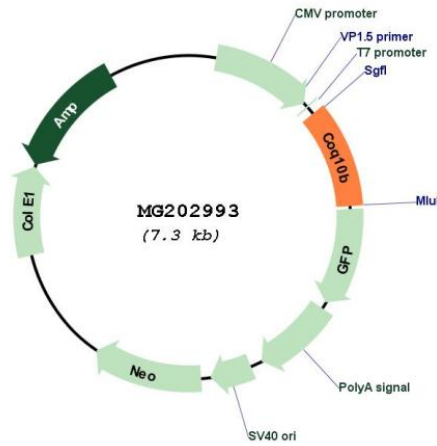
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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:	BC062129.1
RefSeq Size:	1286 bp
RefSeq ORF:	728 bp
Locus ID:	67876
Cytogenetics:	1 C1.2
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]