

## Product datasheet for MC218393

### Coq10b (BC062129) Mouse Untagged Clone

#### Product data:

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

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCATGGCAGCTCGGACCAGTCAGAGGGCCCTGGCGAGGGTGGCATCGGGGTGCCATCCGAAGTCGA  
 CCACCGTGACGGAAGCCCCGGCGCGGGGTCTGCGCGCGACGTCAGACACTTAGCTGCCTGTGGTGTACT  
 GATAAACAGAACCCCTCCACCGTGTGCTGCAGTTTGCCTAAAGAGATCTGTGCGAGAACCTTCTTCAGA  
 ATCTCTGCGCCACTAGTAAATAAACGAAAGGAGTATTCAGAGAGAAGAATTCTAGGGTACTCAATGCAAG  
 AAATGTATGACGTAGTATCAGGAATGGAGGACTATCAGCATTTTCGTTCCCTGGTGTAAAAAGTCAGATAT  
 AATATCAAGGCGATCTGGATACTGTAAACCAGATTAGAAGTTGGGTTCCTCCCGCTTCTGGAGAGATAC  
 ACATCAATAGTAACCTTGGTAAACCGCACTTGGTAAAGGCATCTTGTACTGATGGGAACTTTTCAATC  
 ATTTGGAGACTATTTGGCGTTTTAGCCCAGGTCTTCTGGCTATCCAAGAACTTGTACCTTGGATTTTTC  
 AATTTCTTTTGAATTCGCTCCCTTCTGCACTCTCAGCTCGCTACTCTGTTCTTCGATGAAGTTGTGAAA  
 CAAATGGTAGCAGCCTTTGAAAGAAGAGCCTGTAAGTGTATGGTCCAGAGACAAACATACCTCGGGAAT  
 TAATGCTTCATGAAATTCACCACACCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	BC062129
Insert Size:	729 bp


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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC062129</a> , <a href="#">AAH62129</a>
<b>RefSeq Size:</b>	1286 bp
<b>RefSeq ORF:</b>	728 bp
<b>Locus ID:</b>	67876
<b>Cytogenetics:</b>	1 C1.2
<b>Gene Summary:</b>	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]