

## 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC062129  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGATCATGGCAGCTCGGACCAGTCAGAGGGCCCTGGCGAGGGTGGCATCGGGTGCCATCCGAAGTCGA  
 CCACCGTGACGGAAGCCCGCGCGGGGTCTGCGCGGACGTCAGACACTTAGCTGCCTGTGGTGTACT  
 GATAAACAGAACCCTCCACCGTGTGCTGCAGTTTTGCCTAAAGAGATCTGTGCGAGAACCTTCTCAGA  
 ATCTCTGCGCCACTAGTAAATAAACGAAAGGAGTATTCAGAGAGAAGAATTCTAGGGTACTCAATGCAAG  
 AAATGTATGACGTAGTATCAGGAATGGAGGACTATCAGCAATTCGTTCCCTGGTGTAAAAAGTCAGATAT  
 AATATCAAGGCGATCTGGATACTGTAACCAGATTAGAAGTTGGGTCCCGGTTCTGGAGAGATAC  
 ACATCAATAGTAACCTTGGTAAACCAGCACTTGGTAAAGGCATCTGTACTGATGGGAACTTTTCAATC  
 ATTTGGAGACTATTTGGCGTTTTAGCCAGGTCTTCTGGCTATCCAAGAACTTGTACCTTGATTTTTC  
 AATTTCTTTTGAATTCGCTCCCTTCTGCACTCTCAGCTCGCTACTCTGTTCTTCGATGAAGTTGTGAAA  
 CAAATGGTAGCAGCCTTTGAAAGAAGAGCCTGTAACCTGTATGGTCCAGAGACAAACATACCTCGGGAAT  
 TAATGCTTCATGAAATTCACCACACCTAA

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** BC062129  
**Insert Size:** 729 bp



<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]