

## Product datasheet for **RN202804**

### Coq10b (NM\_001009671) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Coq10b (NM\_001009671) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Coq10b  
**Synonyms:** RGD1359509  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202804 representing NM\_001009671  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATCATGGCAGCTCGGACTAGTCAGAGGACTCTGGCTAGGGTGGCATCGGGATGGCGTCCGAAGTCAA  
CCACAGTGACGGAAGCCCGGGTGCAGGGTCTGCGCGCAACGTCAGGTACTTAGCTCCCTGTGGTATACT  
GATGAACAGAACCCTTGACCGTGGCCCTCAGTTTTGCCTAAAGAGATCTGTGCAAGAACCTTCTTCAGA  
ATCACTACACCATTAGTAAATAAGCGAAAGGAGTATTCAGAGAGAAGAATTATAGGGTACTCCATGCAGG  
AAATGTATGATGTAGTATCAGGAATGGAAGATTATAAACATTTTGTTCCTTGGTGTAAAAAGTCAGATAT  
ATTATCAAGGAGATCTGGATATTGTA AACCCGATTAGAAATTGGGTTTCCCCCTGTTTTGGAGCGATAC  
ACATCAATAGTGACCTTGGTAAAACACATTTGGTAAAGGCCTCTGTACTGATGGGAACTTTTCAATC  
ATCTGGAGACTGTTTGGCGATTCAGCCCAGGTCTTCTGGCTATCCAAGAACATGTACCTTGATTTTTTC  
AATTTCTTTTGAATTCGCTCCCTTCTGCACTCTCAGCTCGCTACACTGTTCTTTGATGAAGTTGTGAAA  
CAAATGGTAGCGCCTTTGAAAGAAGAGCTTGAAACTGTATGGTCCAGAGACAAACATTCCTCGGGAAT  
TAATGCTTCATGAAATTCACCACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001009671  
**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>	<u><a href="#">NM_001009671.1</a></u> , <u><a href="#">NP_001009671.1</a></u>
<b>RefSeq Size:</b>	1651 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	301416
<b>UniProt ID:</b>	<u><a href="#">Q5I0I9</a></u>
<b>Cytogenetics:</b>	9q31
<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]