

## Product datasheet for **RN212597**

### Coq9 (NM\_001035257) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Coq9 (NM\_001035257) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Coq9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN212597 representing NM\_001035257  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCGACGGCAGCAGTGTCTGGTGTCTCCGCCGTTGGGCTGGAGGCTCCTGCAGCTGCGGTGCC  
 TGCCTGTGGCCGCTGCCAATCACCTCTGATGCCACGTGCCTCCACACCCGCTGGGGTTCAGGTCTTC  
 AGAAGAGCAGAGGCAGCAGCCTCCGCACTTTCTCAGCAGCATTCTGAGACACAGGGGCCAGAGTTTTCT  
 CGTCCACCCCGCAGGTACACAGACCAGAGTGGAGAGGAGGAAGAGGACTATGAGAGTGGAGCAGATAC  
 AGCACCCGATCTTGACGGCAGCCCTAGAGTTTGTGCCTGACCATGGCTGGACTGCAGAGCCATTGCTGA  
 AGGAGCCAGTCCCTGGGTCTCTCCAGCGCAGCAGCCAGCATGTTTGGGAGCGATGGCAGTGAAGTGAAT  
 CTGCACTTTGTGACCCAGTGCAATGCTCGCCTCAACCATGTGCTGGAAGAGGAGCAGAAGCTGGTGAAC  
 TGGGCCAGGCAGAGAAGAGGAAAACAGACCAGTTCCTGAGGGATGCAGTGGAAACAGACTGAGAATGCT  
 GATCCCCACATTGAGCACTGGCCGCGGCCCTCAGCATCCTCCTGCTCCCTCAGAACATCCCACCTAGC  
 CTGAGCTTGTCAACAGCATGGTGGATGACATGTGGCATTACGCTGGGACCAGTCCACTGATTTAACT  
 GGTACACCCGCGCGCAGTGTGGCCGCATCTACAACAACAGAGCTGGTGTGATGCAGGACTCCTC  
 CCCAGACTTCGAAGATACTTGGCGTTTCTGGACAACCGGATCAATGATGCAATGAACATGGGCCACAGC  
 GCTAAGCAGGTGAAGTCCACTGGAGAGGCACTGGTGAAGGACTGATGGGTGCAGCAGTCAAGTCAAGA  
 ACCTGACAGGTCTAAACCAGCGCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001035257  
**Insert Size:** 939 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_001035257.1</a></u> , <u><a href="#">NP_001030334.1</a></u>
<b>RefSeq Size:</b>	1729 bp
<b>RefSeq ORF:</b>	939 bp
<b>Locus ID:</b>	498909
<b>UniProt ID:</b>	<u><a href="#">Q68FT1</a></u>
<b>Cytogenetics:</b>	19p13
<b>Gene Summary:</b>	Lipid-binding protein involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration. Binds a phospholipid of at least 10 carbons in each acyl group. May be required to present its bound-lipid to COQ7.[UniProtKB/Swiss-Prot Function]