

## Product datasheet for **SC321950**

### COQ9 (NM\_020312) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COQ9 (NM_020312) Human Untagged Clone
Tag:	Tag Free
Symbol:	COQ9
Synonyms:	C16orf49; COQ10D5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_020312.1  
 CGTGCCCGCTTCCAAAATGGCGGCGGCGCGGTATCTGGTGCCTTGGCCGGGCGGGCTG  
 GAGGCTCTGCAGCTGCGATGCCTGCCCGTGGCCCGTTGCCGACAAGCCCTGGTGGCCGG  
 TGCCTTCCATGCTTCAGCTGTGGGGCTAAGGTCTTACAGATGAGCAGAAGCAGCAGCCTCC  
 CAACTCATTCTCAGCAGCATTCTGAGACACAGGGGGCAGAAAAACCTGATCCAGAGTC  
 TTCTCATTACCCCCAGGTATACAGACCAGGGCGGCGAGGAGGAGGAGGACTATGAAAG  
 TGAGGAGCAGTTGCAGCACCGCATCCTGACGGCAGCCCTTGAGTTTGTGCCCGCCACGG  
 GTGGACAGCAGAGGCGATTGCAGAAGGAGCCAGTCTCTGGGTCTCTCCAGTGCAGCAGC  
 CAGCATGTTTCGGGAAGGATGGCAGTGAGCTAATACTGCATTTTGTGACCCAGTGCATAAC  
 CCGGCTCACACGTGTGCTAGAAGAGGAGCAGAAGCTGGTACAGTTGGCCAGGCGGAGAA  
 GAGGAAGACAGACCAGTTCTGAGGGATGCAGTGGAAACCAGACTGAGAAATGCTGATCCC  
 ATACATTGAGCACTGGCCCCGGGCCCTCAGCATCCTCATGCTCCCTCACAAACATCCCGTC  
 CAGCCTGAGCCTGCTCACCAGCATGGTGGATGACATGTGGCATTACGCTGGGACCAGTC  
 CACTGATTTTAACTGGTACACCCGCCGAGCCATGCTGGTGCCTCTACAACACAACAGA  
 GCTGGTATGATGCAGGACTCCTCTCCAGACTTTGAGGACACTTGCGCTTCTGGAAAA  
 CCGGGTTAATGATGCAATGAACATGGGCCACACTGCCAAGCAGGTAAGTCCACAGGAGA  
 GGCACTGGTGCAAGGACTCATGGGTGCAGCAGTGACGCTCAAGAACTTGACAGGTCTAAA  
 CCAGCGTCGGTGAGAGGAAGGGGTATAAGCTACAATGCCTAGAAGAGAATGAGCGGACAG  
 ATTGAAAGAGCTTTGAAAAGTATAAGGTGCCATCCACATAACCTGGTGTTCACGAGAACA  
 CACTAAAGGACTCCTGAGTCACTACCACAGCCACCTGGAAACCACAAGGCATTTGATGCT  
 ACCGTTCTGGTCAGGGATTGGGCTGCTTCTTTCAGTTCTAATACCAGACCAAGCCTCCTG  
 ATGCCTTTCTGCACTGCAACTGTGTGATTGAAAAATGAGATGTTTCATCCAAGCAGTCAAG  
 CCACAGAAAACCCAGCATGTCCCTGTCACAATCTCATGGGCACCTTGATCATGTCTTAACC  
 TTCCCTTAACCTTGGGGCTCCCAAGCCAGAGTCAAGGTCTGACGCCACCTCAAGGTGACA  
 GCTCATCTCCAGCACAGCACAGGCGTGTGCACACAGAGGTGTTCTTGCAGCCCCCTCCC  
 TCTCAGGTGCTCTGAGATGCTGCTCCTGGGAGCCCCCTCAGAAAACCTGCCTCACCTGAGA  
 CAAGTGCCTGCTGGACAGAGGTGTGATTCCAGGCCTGGTGTACATGACACCAGCATGCA  
 TTGCAGGATTATTAGTGTATTTGAGTCTGTAAAAATAATAAATATGTTTGAAGTAAAAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_020312

**OTI Disclaimer:** 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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_020312.1</a></u> , <u><a href="#">NP_064708.1</a></u>
<b>RefSeq Size:</b>	1638 bp
<b>RefSeq ORF:</b>	957 bp
<b>Locus ID:</b>	57017
<b>UniProt ID:</b>	<u><a href="#">O75208</a></u>
<b>Cytogenetics:</b>	16q21
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	This locus represents a mitochondrial ubiquinone biosynthesis gene. The encoded protein is likely necessary for biosynthesis of coenzyme Q10, as mutations at this locus have been associated with autosomal-recessive neonatal-onset primary coenzyme Q10 deficiency. [provided by RefSeq, Sep 2010]