

Product datasheet for SC319900

COQ4 (NM_016035) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COQ4 (NM_016035) Human Untagged Clone
Tag:	Tag Free
Symbol:	COQ4
Synonyms:	CGI-92; COQ10D7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016035.1
 CCTCCGGGACGCCCGCTGCCATGGCGACTCTGCTGCGCCCTGCTCCTCCGTCGGCTCTGC
 GGGTCCCAGGGCTACAGCGGCTGCGGCAGAAATGCCCTCCGGGTAGGAGCGACGGC
 GCCGGCCCGCTATACTCGCACCACTCCCCACCTCCCCGCTGCAGAAAGCGCTGTTGGCC
 GCCGGCTCCGCGCGATGGCGCTCTATAACCCCTACCGCCACGACATGGTCGCAGTTCTA
 GGGGAGACCACAGGACACCGCACCTGAAGTCTCAGGGACCAGATGAGGAGGGATCCA
 GAGGGTGCCAGATCCTGCAGGAGCGTCCCCGGATTTTCGACATCCACCCTCGACCTGGGC
 AAGCTCCAGAGCCTGCCGAAGGCTCCCTCGGTCGCGAGTATCTCCGTTTCTGGATGTG
 AACAGGGTCTCCCAGACACCCGAGCACCCACCCGCTTCGTGGATGATGAGGAGCTAGCG
 TATGTGATTCAGCGGTACCGGGAGGTGCACGACATGCTTCACACCCTGCTGGGGATGCC
 ACCAACATCCTGGGGAGATCGTGGTGAATGGTTTGAGGCTGTCCAGACTGGCCTGCC
 ATGTGCATCCTGGGTGCATTCTTTGACCGATCCGACTTGGCGCTCAGAGCCTGCAAGTG
 CTGGTCTCGGAGTTGATCCCATGGGCCGTTTCAACGGGCGCAGAGCCCCATGTGTCCTC
 AACCTGTACTATGAGCGGCGCTGGGAGCAGTCCCTGAGGGCTCTGCGGGAGGAGCTGGGC
 ATTACAGCACCCATGCACGTCCAGGGCTTGGCCTGAGCTCCTGAGCCAGCGGGGCT
 GGCCTACCTCCCCATCCCCTGCTTCCCTTGGAGGCGAGGGCTCCCTTGACTACCTTTG
 TTCCTCTCTTTGAACACTGACCCTTGGACAACATTTATCATAATTTGTCATAACCACTG
 CTGAGTGGCCTTGAGGACGAACCCCGCAGGGAGCAAGCAGTACAGTGGCATTCCCAGGGG
 GACCAGCAGTACCCAAGGAGAACCATGCATGAACAGTATCAGTGTCTGGGCTCATGCT
 GGGATGTCGAGTGTCTCTGTTGCAACTCTCCAGCCAGGTTTGTCTGGGGGCCAG
 GCTGGGTGTCCTCACAGGAGTGAGGGCTACACCAATTCCAAAAGCCTGAGAAGAGAGAA
 GTGGAGGGGGAGGCGAGTGTGTGAATAAAGGCTCCCATCAGGTCAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_016035



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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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_016035.1</u> , <u>NP_057119.1</u>
RefSeq Size:	1548 bp
RefSeq ORF:	798 bp
Locus ID:	51117
UniProt ID:	<u>Q9Y3A0</u>
Cytogenetics:	9q34.11
Domains:	Coq4
Gene Summary:	<p>This gene encodes a component of the coenzyme Q biosynthesis pathway. Coenzyme Q, an essential component of the electron transport chain, shuttles electrons between complexes I or II to complex III of the mitochondrial transport chain. This protein appears to play a structural role in stabilizing a complex that contains most of the coenzyme Q biosynthesis enzymes. Mutations in this gene are associated with mitochondrial disorders linked to coenzyme Q deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>