

Product datasheet for SC105037

COQ10A (AK057003) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: COQ10A

Mammalian Cell None

Selection:

Vector: pCMV6-XL4

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC105037 sequence for AK057003 edited (data generated by NextGen Sequencing)

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ATGGCCTGGGCGGGCTCGCGGGGGTCCCAGCTGGGACGCGCGGGCAGCCGAGCGCTGC
TGCCGGCTCTCGCTCAGCCCGGGCGCGCAACCGGCCCCGCCCCAGGCCCTCTGCCACCG
CCGCGACCAATGAGGTTTCTGACCTCCTGCAGCCTCCTCTTGCCCTCGGGCTGCCAGATC
TTGGCGGCTGAGGCTGGCTTACCTTCGAGCCGTTCTTCATGGGATTTGCTGCTCCCTTC
ACCAACAAGCGAAAGGCTTACTCGGAGCGTAGAATCATGGGGTACTCAATGCAGGAGATG
TATGAGGTGGTGTCCAACGTCCAGGAGTATCGTGAGTTTGTGCCCTGGTGAAGAAGTCT
CTGGTGGTATCCAGCCGTAAGGGTCATTTGAAAGCCCAGCTGGAGGTTGGCTTTCCACCT
GTCATGGAACGTTACACCTCTGCAGTTTCCATGGTCAAACCTCACATGGTCAAGGCTGTT
TGTAATGATGGCAAGCTCTTCAACCACTTAGAGACTATTTGGCGATTAGCCCTGGTATT
CCTGCCTATCCTCGAACCTGCACTGTGGACTTTTCGATTTCTTTGAATTCGTTCTCTG
CTGCACTCCAGCTGGCCACCATGTTTTTGTGAGGTTGTCAAACAGAATGTTGCTGCC
TTTGAGCGTCGGGCGAGCCACCAAGTTTGGTCCAGAAACAGCCATCCCCGTGAAGTATG
TTCCATGAGGTGCACCAAGACTTGA
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Clone variation with respect to AK057003.1
113 c=>t;605 g=>a;638 c=>t



5' Read Nucleotide

Sequence:

>OriGene 5' read for AK057003 unedited
AATTTGGTATACGACTCACTATAGGGCGGCCGCGAATTCGGCACCAGGAGGGCGCAGCCC
GCGTCAGAACTTAGAGGGCCAGGCAGGGTCGCGCGCATGGCCTGGGCGGGCTCGCGGCGG
GTCCCAAGCTGGGACGCGCGCGCAGCCGAGCGCTGCTGCCGGCTCTCGCTCAGCCCGGCG
GCGCAACCGGCCCCGCCCCAGGCCCTCTGCCACCGCCGCGACCAATGAGGTTTCTGACC
TCCTGCAGCCTCCTCTTGCCTCGGGCTGCCAGATCTTGGCGGCTGAGGCTGGCTTACCT
TCGAGCCGTTCTTCATGGGATTTGCTGCTCCCTTACCAACAAGCGAAAGGCTTACTCG
GAGCGTAGAATCATGGGGTACTCAATGCAGGAGATGTATGAGGTGGTGTCCAACGTCCAG
GAGTATCGTGAGTTTGTGCCCTGGTGAAGAAGTCTCTGGTGGTATCCAGCCGTAAGGGT
CATTTGAAAGCCAGCTGGAGGTTGGCTTTCCACCTGTCTGGAACGTTACACCTCTGCA
GTTTCCATGGTCAAACCTCACATGGTCAAGGGCTGTTTGTACTGATGGCAAGCTCTTCAA
CCACTTAGAGACTATTTGGCGATTACGCCCTGGTATTCTGCCTATCCTCGAACCTGCAC
TGTGGACTTTTCGATTTCTTTGAATTTCTGTTCTCTGCTGCACTCCAGCTGGCCCCATG
GTTTTTGGATGAAGGNTGTCAAACAGAATGTTGCTGCCTTTGAGCGTCGGCAGNCCCAA
GTTTGGGTGAGAACAGCCATCCCCGTGAAGTGNATGTCATGAGGTGACCAGACTTGAGC
AAGGGNATGCTCCCTGACCTCCCTCTACCCACTTCTACACATTCTATTTATTTTGGTTG
GCCTCTGGTCATTGGAAGAAANCTGGTCATATACTGTTCTCTTTCATTCCAAAAATGGG
TCCTGCTGCTGAAATGTGGGGGAAAGAAAGCCAGTAGGAAAG

3' Read Nucleotide

Sequence:

>OriGene 3' read for AK057003 unedited
NCCGTCTACTCAGNACGCGCCGCTTTCTANGATCGGTTTTTTTTTTTTTTTAACT
GTCACAATTTATTGAAATTTTATAAAAACTCAGGCCAAGTGAAGAATAAGGTACAATC
AAGAGTACAAAGACAACCTCCGTTTCCGTTCACTACTTTCTCCTCAGCACTGGTGGTAAG
AAAGCCCCCTTGCTCTCTAGTAGCCAGGCAGCATGGACTTACAGTCTTAAATGAGGCTTT
ATGTATTTCAAGGCTGGAGGCAGGTTGCCTTTTCTCCTGAGGAATCTCAGGCAGGGTAAAA
GTTACTTACCACTCAGTACCTCTGTGCCAGAAGAAAAGCTCAATTTATTCAATCCTTAGA
AAAGTTACTATCGTCCCCTGGTCAGACCTAAGGTGTCTTGATAAGGTCCAGAGACAACC
ACATAGTCCTTATTCTAATTCGTAGTGAAAAGGCTGCAGGCATATGGTGCTCCTACGATG
GGCCTGACCCCTTCTAAGCACATCTCATTTCACATCCTTTGCCTTCTCTTTCCCCCAA
CATTTCCAGCCAGCATAGAACCAATTTCTGGGAAATTGAGAGGAGAAACAGNTTATGA
ACACAGACTCCTTTCAAATTGGAACAGGAGCCAAACCAATAAATAAGAGAATTGTGTAG
GGAAGTGGGTAGAAAGGAGGTCAGGGAGCAATCCCTTGCCTCAAGTCTGGTGACCTCA
TGGAACATCAGTTCACGGGGGATGGCTGTTTCTGGGACAACTTGGTGGCTGCCCGACGC
TCATAGCAACAACATTCTGTTTGACACCCTCTCAAAAACTGGTGGCCAGCTTGAATGC
AGCAGAAAACAAAT

Restriction Sites:

NotI-NotI

ACCN:

AK057003

Insert Size:

1600 bp

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).

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	AK057003.1 , BAB71339.1
RefSeq Size:	1568 bp
RefSeq ORF:	744 bp
Locus ID:	93058
Cytogenetics:	12q13.3
Domains:	ARPF
Gene Summary:	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 (Probable).[UniProtKB/Swiss-Prot Function]