

Product datasheet for SC111068

COQ10B (NM_025147) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COQ10B (NM_025147) Human Untagged Clone
Tag:	Tag Free
Symbol:	COQ10B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111068 sequence for NM_025147 edited (data generated by NextGen Sequencing) ATGGCAGCTCGGACTGGTCATACGGCCTTGAGAAGGGTAGTCTCGGGATGCCGTCCGAAG TCGGCGACAGCGCCGGGGCGCAGGCGCCCGTGC GGAATGGCAGATATTTAGCTTCCTNN NNNNNNTGATGAGCAGAACTCTTCCACTACATACCTCAATTTTGCCTAAGGAGATATGT GCACGAACCTTTCTTCAAAATCACTGCACCATTAATAAAACAAAAGGAAAGAATATTCAGAG AGAAGAATTTTAGGATATTCAATGCAGGAAATGTATGATGTAGTATCGGGAGTGGAGGAT TACAAGCATTTTGTTCCTTGGTGCAAAAATCAGATGTTATATCAAAGAGATCTGGATAT TGTAACAAGATTAGAAATTGGATTTCCACCTGTGTTGGAGCGATATACATCAGTAGTA ACCTTGGTGAAACCTCATTTAGTAAAGGCATCTTGTACTGATGGGAGACTTTTCAATCAT TTGGAGACTATTTGGCGTTTTAGCCCAGGTCTTCTGGCTACCCAAGAACTTGTACCTTG GATTTTTCAATTTCTTTTGAATTTTCGATCACTTCTACATTTCCAGCTTGCCACACTCTTT TTTGATGAAGTTGTGAAGCAGATGGTAGCTGCCTTTGAAAGAAGAGCATGTAAGCTGTAT GGTCCAGAAACAAATATACCTCGGGAGTTAATGCTTCATGAAGTCCATCACACATAA

Clone variation with respect to NM_025147.3

119 g=>n;120 t=>n;121 g=>n;122 g=>n;123 t=>n;124 a=>n;125 t=>n;126 a=>n;127 c=>n



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_025147 unedited TGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCCGGGCTCCGGGCCCCGAC CAGAGGAGGGCGGTGCTGCAGGGCTGGTCCGGGAGGTGACGACCGGCTTCGGAGAGTCTA TCATGGCAGCTCGGACTGGTCATACGGCCTTGAGAAGGGTAGTCTCGGGATGCCGTCCGA AGTCGGCGACAGCGGCCGGGCGCAGGCGCCCGTGCAGGAATGGCAGATATTTAGCTTCCT GTGGTATACTGATGAGCAGAAGCTTCCACTACATACCTCAATTTGCCTAAGGAGATAT GTGCACGAAGCTTTCTTCAAAATCACTGCACCATTAATAAACAAGGAAAGAATATTCAG AGAGAAGAATTTTAGGATATTCATGCAGGAATGTATGATGTAGTATCGGGAGTGGAGG ATTACAAGCATTTTGTTCTTGGTGCAAAAAATCAGATGTTATATCAAAGAGATCTGGAT ATTGTAACAAGATTAGAAATTGGATTCCACCTGTGTTGGAGCGATATACATCAGTAG TAACCTTGGTGAAACCTCATTTAGTAAAGGCATCTGTACTGATGGGAGACTTTTCAATC ATTTGGAGACTATTTGGCGTTNTAGCCAGGTCTTCTGGCTACCCAAGAACTGTACC TTGGATTTTCAATTTCTTTGAATTCGATCACTTCTACATCCAGCTTGCCCACTC TNTNNTGATGAAGTTGTGAAGCAGATGGTAGCTTGCCTTTGAAAGAGAGCATNGTAGCTG TATGGTCCAAAACAATATACCCTCGGAGTTAATGCTTNCATGAGTCCATCACACATAAA GGGCAAAAGAAGTGTGTCACCTGCTNCTGACTTTANNTTGGTTCACTTTTGAAGGTAT TTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_025147 unedited TGGATGGTACCAGGGACTTTTAGCTATATTTGCCGAAAGTCTGCCACCTTCATAGAAGT AGAATTGGTAGATATCTTCATAGAGCTTTTGAGACGATGAAATGCGGCTACACTAGACT GTGTCTGTGCAAGTTCACATGGAAGCAAGATAGGAGGATTATGCTTACCTATCTAACAGT ACAAGAGATCAACAAGTAACTTTATGACATTGCTACTGGAAGTTCAGAACTTACATTAG ATTTGGTTGGTCAAGAAATACAGTTTTCGAAACACATTACTGAAAGTGAGTGTACAAAT AACATAGAAAATAGGGATGCGTAATCGCTGCGATACATGTCAACCACTTATCTTCATAT GACGACTACTGTGTACACAAAATTAGGCACACAATTAACATTACTGAATGAGCAGCCAA ACTACCTCTGTGAAAGAGGCGACCTACTGGAAAAGTAGCTTAAAGCTCTGGACCACTCAC CAAAAAAAAAAAAAAAAAAGAGAAAATACACTGTTTATCTGGGAGCTAGCCTCATTATGG CAATGAATTTATCTACTAGTCATAAGAACAATTTTAAATATCAAAAGTCCAGGGAAC CTTCACTAACAGCTTTTGTGTTTTGTTTGGAGACAGAGTCTCCCTCTGTTGCCAGGCT GGAGTGACCATGGCGATCTTGCTAACTGCAACCTACGACTCCCGGTTCAAGCGATTCT TTGTGCTGAGCCTCCCAAGTAAGTACAGATGAGAGGTGGTGTGCCCCCAGCCAGCTA ATTTTTGTATTTAACTACAGATGGGGTTTCGCCATGTTTACCAACCTGGTCTAGAACTC CTGACCTAAATGATCTGCCCACCTTATCTTCCCAAGGGGTGGGATTACAGTGTGAGCC ACTGGCGCCAGCCAAAGTTTACTTAAATATAGACTACTCAATATCCTATGCCTACGGA GGCCCTAGAAATT
Restriction Sites:	NotI-NotI
ACCN:	NM_025147
Insert Size:	2290 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.
RefSeq:	<u>NM_025147.2, NP_079423.1</u>
RefSeq Size:	1990 bp
RefSeq ORF:	717 bp
Locus ID:	80219
UniProt ID:	<u>Q9H8M1</u>
Cytogenetics:	2q33.1
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 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).