

Product datasheet for SC125615

COA1 (BC012036) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COA1 (BC012036) Human Untagged Clone
Tag:	Tag Free
Symbol:	COA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for BC012036 edited</p> <pre> AGAGAGGACATCATGGAAAAAGTCAGACTCTTTCTAGGATTTGAATCGGGAGTCTGAAGA GGAGAGGGGTGAATGTGCAAGCCCTTAACCACCCACATCACTGATCTGGACCAGAGAAC CTGCTTGGAAAGAAGTGAGAAGCCATGCTAGCGAAGGCCAGGAGCTTGCAGGGGCTCAGAG CCTGGCAGTTGCATTAGTTTGCTGTGATGCACAGTGCAAAGAGGTGGCTGGTCAAGGACC AGTGGCATGGTGAAGTGTCTCCAGGGTGCACCGCTTTTGCGGCAGTTTAGTATGGACAGA GTCTGGGCAGGCTCAGTGTAGCAAGCCTGTCATGAGAGGTGAGGACCAAGGTGGAGGTTG GTGTGACAGGAACAAGGAAAGGGAAGAACATAGAGCAGGAACACAGGAGAACAAGAAAG GTCAGGACCGTCAGCCTCCAAAGGCCACTGAGGAAGAGGGGCCATCCACTGGAATGGAAA ACGAAGACGTACCTGTGGGAAAGGATCTTAAATTCAGTTAACAGAGCAGGCCTTCAGC AAAAGCAAGAATTCTTAATTTTCAGGTAGGAAGATATTAGCAGTGTCTTCTAATATTGTT TTCGAAAAGATTTATGTCATTTTGTTCACACAACCTCTGTCTGCCAGCATCATTAACTTA CCTAACTTGTTTAGAAACAAAAATGCTAACAGCACCACTGAGACCTTGCTAGTCTAAGTG TGCTTTGGAGACCATTGGCATCAGCACCATTTAGGCACTTGTTAGAATGTAGAGTCTCCG GGCCAGGTGTGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGCAGGCAGA TCACATGAGGTTAGAAGTTTGTAGACCAGCCTGGCCAACATGGCTAAACCTGTCTCTACT AAAAATACAAAAATTAGCCAGACACGGTGGCACACGCCTGTAGTCTCAGCTATTTGGGAG GCTGAGGCAGGAGAATTACCTGAACCCGGGAGGTGGAGGTAGCAGTGAGTCAAGATCGTG CCACTGCACTCCAGCCTGGGTGACAGAGTAAGACTCTGTCTCCAAAAAAAAAAAAAAAAAA AA </pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC012036 unedited GTTCAGAAATTTGTATACGACTCATATAGGCGGACCGCGATTTCANATCTGGTACCGGTCCG GAATTCCTCCGGGATATCGTCGACCCACGCGTCCGAGAGAGGACATCATGNGAAAAAGTCAG ACTCTTTCTAGGATTTGAATCGGGAGTCTGAAGAGGAGAGGGGTGAATGTGCAAGCCCTT AACCACCCACATCACTGATCTGGACCAGAGAACCTGCTTGAAGAAGTGAGAAGCCATG CTAGCGAAGGCCAGGAGCTTGCAGGGGCTCAGAGCCTGGCAGTTGCATTAGTTTGTGTG ATGCACAGTGCAAAGAGGTGGTCAAGGACCAGTGGCATGGTGAAGTGTCTCCAGGG TGCACCGCTTTTTCGGCAGTTTAGTATGGACAGAGTCTGGGCAGGCTCAGTGTAGCAAGC CTGTATGAGAGGTGAGGACCAAGGTGGAGTTGGTGTGACAGGAACAAGGAAAGGGAAG AACATAGAGCAGGAACACAGGAGAACAAAGAAAGGTGAGGACCGTCAGCCTCCAAAGGCC ACTGAGGAAGAGGGGCCATCCACTGGAATGGAAAACGAAGACGTACCTGTGGGAAAGGA TCTTAAATTCAGTTTAAACAGAGCAGGCCTTCAGCAAATACAAGAATTCTTAATTTAGGT AGGAAGATATTAGCAGTGTCTTCTAATATTTGTTTTCGGAAAGATTTATGTCATTTTAGT TCACACAACCTGTCTGCCAGCATCATTAACTTACCTAAGTTTGTAGAAACAANATGCT AACAGCACCCTGAGACCTTGTAGTCTAAGTGTGCTTTGGAGACCATTGGCATCAGCAC CATTTANGCACTTGTAGAAATGTAGAGTCTCCGGGCAGTGGTGGTGGCTACACCTGTGAT CGACNNNTTTTTGGGGGNNNNNNGNNGNNNTTTTTNTTGGGGTT
Restriction Sites:	Please inquire
ACCN:	BC012036
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:	<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:	BC012036.1 , AAH12036.1
RefSeq Size:	1082 bp
RefSeq ORF:	81 bp
Locus ID:	55744
Cytogenetics:	7p13
Protein Families:	Transmembrane

Gene Summary:

Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly. MITRAC complexes regulate both translation of mitochondrial encoded components and assembly of nuclear-encoded components imported in mitochondrion. Required for assembly of mitochondrial respiratory chain complex I and complex IV.[UniProtKB/Swiss-Prot Function]