

Product datasheet for SC306934

COX18 (NM_173827) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COX18 (NM_173827) Human Untagged Clone
Tag:	Tag Free
Symbol:	COX18
Synonyms:	COX18HS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306934 representing NM_173827. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGTGCCGGCTCGGCGGTGGCTGCGGCCGCTCCCTGCCCTGCAGCTTTGGGCTAGGGACCTG
CCGCTTGC CGCGTTCTACGAGCGGCGCAAGCGCCCACTCTCCAGTGTGGCAGTGGCACCAGTC
TCTGCAGTACATGCGAACGGCTGGTACGAGGCCCTGGCCGCTCTCGCCGGTGC GGTTGCGGAGGAA
GTACTGCTCGGCGTGCACGCCACGGGCTGCCCTGGTGGGCAGCATTCTGCTCTCCACCGTGGCC
TTACGGGGTGTGTACGCTGCCTTTGGCAGCCTACCAGCACTACATCCTGGCCAAGGTGAAAAATTTG
CAGCCAGAAATAAAAATTGCCAGGCATCTTAACCAAGAAGTTGCAGTTCGTGCAATCAGTTGGGG
TGGTCCAAAAGAGATGCCAGGCTCACTTATCTAAAGAATATGAGGAGGCTAATTCAGAGCTATATGTG
CGAGATAACTGCCACCCTTTCAAAGCCACTGTGTTGGTTGGATTGAGCTTCCAATGTGGATCTTCATG
TCTTTTGTCTCCGGAATTTAAGCACGGGGCAGCACATTCAGAAAGTTTTTCTGTTGAGAACAGTTA
GCTACTGGTGAATTCGTGGTTTCTGACCTCACTGCACCCGACTCCACTTGGATTCTGCCTATCTCT
GTTGGCGTCATCAATTTGTTAATAGTGGAGATTTGTGCTCTACAAAAATGGAATGTCTCGTTTTGAG
ACGTATATTACGTACTTTGTCCGTGCAATGTCCGTGTTGATGATACCAATTGCTGCAACGGTACCCTCA
TCAATTTGTTCTACTGGTTATGCTCCAGCTTCGTGGCCCTTTCACAGAAATTTGCTGCTGCGTTCTCCT
GGATTTGCGCAACTTTGCCGAATACCATCGACCAAGTCAGATTCAGAACTCCTTATAAAGACATATTT
GCTGCCTTTAATACCAAGTTCATTTCAAGAAAAATGA
ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_173827
Insert Size:	1002 bp



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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:	NM_173827.2
RefSeq Size:	4530 bp
RefSeq ORF:	1002 bp
Locus ID:	285521
UniProt ID:	Q8N8Q8
Cytogenetics:	4q13.3
Protein Families:	Transmembrane
MW:	37.1 kDa
Gene Summary:	<p>This gene encodes a cytochrome c oxidase assembly protein. The encoded protein is essential for integral membrane protein insertion into the mitochondrial inner membrane. It is also required for cytochrome c oxidase assembly and activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the central coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>