

Product datasheet for SC335433

COX18 (NM_001300729) Human Untagged Clone

Product data:

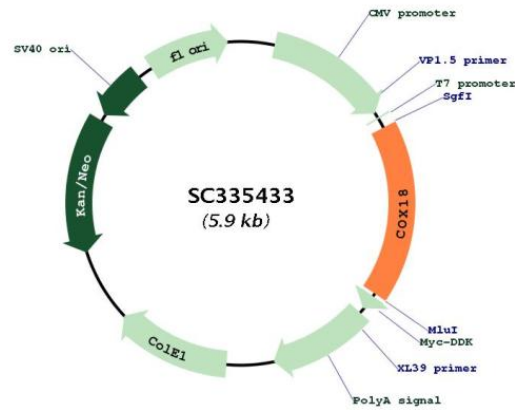
Product Type:	Expression Plasmids
Product Name:	COX18 (NM_001300729) Human Untagged Clone
Tag:	Tag Free
Symbol:	COX18
Synonyms:	COX18HS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335433 representing NM_001300729. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCTTTATGCCCGCTGTTGCTGGCGGTGCGCGTATCAGCCTTGGCTGGCCGGTGTATGTCGCTG
GATTGTGAGGCCCGGGATCTGGGCTCCGCCGTGGTGCAGAAATGCTGTGCCGGCTCGCGGTCGGTGGC
TGCGGCCGCTCCCTGCCCTGCAGCTTTGGGCTAGGGACCTGCCGCTTGCGCCGTTCTACGAGCGGCG
CCAAGCGCCCACTCTCCAGTGTGGGAGTGGCACCAGTCTCTGCAGTACATGCGAACGGCTGGTACG
AGGCCCTGGCCGCTCTCGCCGGTGGGTTGCGGAGGAAGTACTGCTCGGCGTGCACGCCGCCACGG
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CTATATGTGCGAGATAACTGCCACCCTTCAAAGCCACTGTGTTGGTTTGGATTAGCTTCCAATGTGG
ATCTTCATGTCTTTTGTCTCCGGAATTTAAGCACGGGGCAGCACATTCAGAAGTTTTTCTGTTCAG
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CCTATCTCTGTTGGCGTCATCAATTTGTTAATAGTGGAGATTTGTGCTCTACAAAAAATGGAAATGTCT
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CGTTCTCCTGGATTTGCCAACTTTGCCGAATACCATCGACCAAGTCAGATTCAGAAACTCCTTATAAA
GACATATTTGCTGCCTTTAATACCAAGTTCAATTTCAAGAAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001300729

Insert Size: 1011 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: [NM_001300729.1](#)

RefSeq Size: 4429 bp

RefSeq ORF: 1011 bp

Locus ID: 285521

UniProt ID: [Q8N8Q8](#)

Cytogenetics: 4q13.3

Protein Families: Transmembrane

MW: 37.3 kDa

Gene Summary: 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]
Transcript Variant: This variant (4) lacks an exon in the central coding region, which results in the use of an alternate start codon and a frameshift, compared to variant 1. The encoded isoform (4) has a longer and distinct N-terminus, 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.