

## Product datasheet for SC335412

### COX18 (NM\_001297732) Human Untagged Clone

#### Product data:

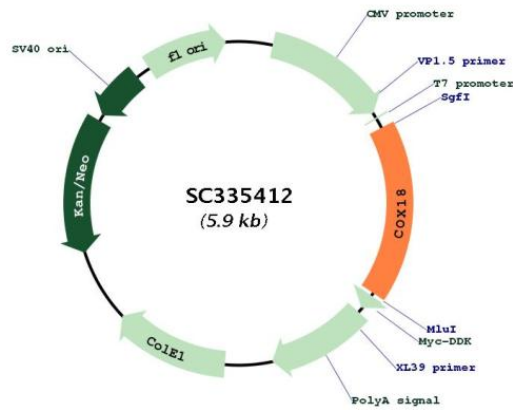
Product Type:	Expression Plasmids
Product Name:	COX18 (NM_001297732) Human Untagged Clone
Tag:	Tag Free
Symbol:	COX18
Synonyms:	COX18HS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335412 representing NM_001297732. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTGTGCCGGCTCGCGGTCGGTGGCTGCGGCCCTCCCTGCCCTGCAGCTTTGGGCTAGGGACCTG
CCGCTTGC CGGTTCTACGAGCGCGGCCAAGCGCCCACTCTCCAGTGTGGCAGTGGCACCAGTC
TCTGCAGTACATGCGAACGGCTGGTACGAGGCCCTGGCCGCTCTCGCCGGTGC GGTTGCGGAGGAA
GTACTGCTCGCGTGCACGCCGCCACGGGCCTGCCCTGGTGGGCAGCATTCTGCTCTCCACCGTGGCC
TTACGGGGTGTGT CACGCTGCCTTTGGCAGCCTACCAGCACTACATCCTGGCCAAGGTGAAAAATTTG
CAGCCAGAAATAAAAATTGCCAGGCATCTTAACCAAGAAGTTGCAGTTCGTGCAATCAGTTGGGG
TGGTCCAAAAGAGATGCCAGGCTCACTTATCTAAAGAATATGAGGAGGCTAATTCAGAGCTATATGTG
CGATAACTGCCACCCTTTCAAAGCCACTGTGTTGGTTGGATT CAGCTTCCAATGTGGATCTTCATG
TCTTTTGTCTCCGGAATTTAAGCACGGGGCAGCACATTCAGAAGCAGGTTTTTCTGTT CAGGAACAG
TTAGCTACTGGTGGAAATTCGTGGTTTCTGACCTCACTGCACCCGACTCCACTTGGATTCTGCCTATC
TCTGTTGGCGTCATCAATTTGTTAATAGTGGAGATTTGTGCTCTACAAAAAATGGAAATGCTCGTTTT
CAGACGTATATTACGTACTTTGTCCGTGCAATGTCGGTGTGATGATACCAATTGCTGCAACGGTACCC
TCATCAATTTGTTCTACTGGTTATGCTCCAGCTTCGTGGCCTTTCACAGAATTTGCTGCTGCGTTCT
CCTGGATTCGCCAACTTTGCCGAATACCATCGACCAAGTCAGATT CAGAACTCCTTATAAAGACATA
TTTGCTGCCTTTAATACCAAGTTCAATTTCAAGAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001297732

**Insert Size:** 1005 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\\_001297732.1](#)

**RefSeq Size:** 4533 bp

**RefSeq ORF:** 1005 bp

**Locus ID:** 285521

**Cytogenetics:** 4q13.3

**Protein Families:** Transmembrane

**MW:** 37.1 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 (1) represents the longest transcript and encodes 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.