

Product datasheet for **RG236343**

COX18 (NM_001297733) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COX18 (NM_001297733) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: COX18
Synonyms: COX18HS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236343 representing NM_001297733.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGAGGCTAATTTTCAGAGCTATATGTGCGAGATAACTGCCACCCTTTCAAAGCCACTGTGTTGGTT
TGGATTACAGTTCCAATGTGGATCTTCATGTCTTTTGTCTCCGGAATTAAGCACGGGGGCAGCACAT
TCAGAAGGTTTTCTGTTTCAGGAACAGTTAGCTACTGGTGAATTCTGTGGTTTCCTGACCTCACTGCA
CCCAGCTCCACTGGATTCTGCCTATCTCTGTTGGCGTCATCAATTTGTAATAGTGAGATTTGTGCT
CTACAAAAAATTGGAATGTCTCGTTTTTCAGACGTATATTACGTACTTTGTCGGTCAATGTCGGTGTG
ATGATACCAATTGCTGCAACGGTACCCTCATCAATTGTTCTACTGGTTATGCTCCAGCTTCGTGGGC
CTTTCACAGAATTTGCTGCTGCGTTCTCCTGGATTTGCGCAACTTTGCCGAATACCATCGACCAAGTCA
GATTCAGAAACTCCTTATAAAGACATATTTGCTGCCTTTAATACCAAGTTCATTTCAAGAAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236343
Blue=ORF Red=Cloning site Green=Tag(s)

```
MRRLLISELYVRDNCHPFKATVLVWIQLPMWIFMSFALRNLSTGAAHSEGFVQEQLATGGILWFPDLTA
PDSTWILPISVGVINLLIVEICALQKIGMSRFQTYITYFVRAMSVLMIPIAATVPSSIVLYWLCSSFVG
LSQNLRLRSPGFRQLCRIPSTKSDSETPYKDIFAAFNTKFI SRK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001297733

ORF Size: 546 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001297733.2](#)

RefSeq Size: 4534 bp

RefSeq ORF: 549 bp

Locus ID: 285521

UniProt ID: [Q8N8Q8](#)

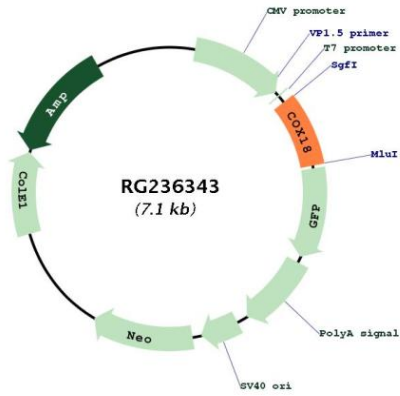
Cytogenetics: 4q13.3

Protein Families: Transmembrane

MW: 21 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]

Product images:



Circular map for RG236343