

Product datasheet for MR203698

Cox11 (NM_199008) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox11 (NM_199008) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cox11
Synonyms:	2010004I09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203698 representing NM_199008 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGGCTCTGGTGTCCGGGATGGAGGTTGGTGGCTTCGTGTGGCCGGGGCTGGAGGCACCCGGGT
GGTCAGGGCGGACTGTGGTGAACGCAGAGCTGGTGCTTAGGCCCGGGTGGGATGGGCTCGGAGGCAGCGGA
GCGGGGTCTGAGACGCCCTCGGGACATGGAAGCGCCCGTGCGGGGTCCGGGGCCCGCAGCAGCCGCCA
CGGCGGCCGAGGAGCAGCAACCCCTTCCAGCGCGCAGGAGGACGAGTGGCGGGCGGAACAAGACGG
TGCTCACCTACGTGGCCGCGCCCGTGGGCATGCTGGGGCCCTCCTACGCCGGTGCCCTCTATCG
GCTCTACTGCCAGACTACTGGACTTGGAGGATCAGCAGTGGCCGGGCACTCCTCAGACCAGATCGAGAAC
ATGGTGCCTGTCAAGGACCGGTCATTAAGGTCACCTCAATGCTGACGTTTCATGCCAGTCTCCAGTGGA
ACTTCAGACCTCAGCAAACAGAGATCTATGTGGTACCAGGAGAGACTGCACTGGCATTATATAAAGCTAA
GAATCCTACTGACAAACCAGTAATTGGAATTTCTACATAAATGTTGTACCGTTTGAAGCTGGACAGTAT
TTCAATAAGATACAGTGCTTCTGTTTTGAAGAACAAGGCTTAATCCACAAGAAGAAGTAGATATGCCAG
TGTTTTCTACATTGATCCTGAATTTGCAGAAGATCCAAGAATGGTGAATGTCGACCTCATCACTTTTC
TTACACTTTTTTTGAAGCAAAGGAAGGGCACAAGTTGCCAGTTCAGGCTATAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203698 representing NM_199008
 Red=Cloning site Green=Tags(s)

MGGLWCPGWRLVASCGRGWRQPGWSGRTVVNAELVLRPGWDGLGGAERGLRRLGTWKRPCGVRGPATQPP
 RRPSSNPFQRAQEDWRRRNKTVLTYVAAAAGVGLGASYAAVPLYRLYCQTTGLGGSVAVAGHSSDQIEN
 MVPVKDRVIKVTFNADVHASLQWNFRPQQTEIYVVPGETALAFYKAKNPTDKPVIIGISTYNNVVPFEAGQY
 FNKIQCFCFEEQRLNPQEEVDMPVFFYIDPEFAEDPRMVNVDLITLSYTFEAKEGHKLPVPGYN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199008

ORF Size: 825 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).

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_199008.2](#), [NP_950173.1](#)

RefSeq Size: 2259 bp

RefSeq ORF: 828 bp

Locus ID: 69802

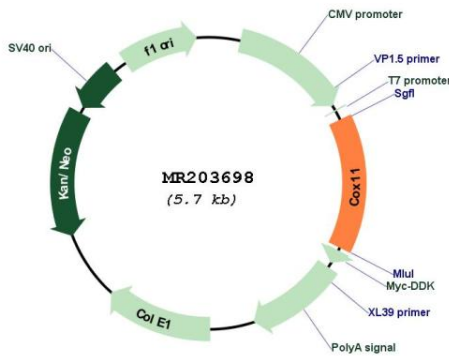
UniProt ID: [Q6P8I6](#)

Cytogenetics: 11 D

MW: 31.3 kDa

Gene Summary: Exerts its effect at some terminal stage of cytochrome c oxidase synthesis, probably by being involved in the insertion of the copper B into subunit I.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203698