

Product datasheet for **MR212724**

Cox14 (NM_183256) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox14 (NM_183256) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cox14
Synonyms:	2310016M24Rik; AA959804
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212724 representing NM_183256 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC CGATCGCC ATGCCATCTGCCAAGCAGCTAGCCGATATCGGCTACAAGACCTTCTGCCTCGATGATGCTCCTCACTGTGTATGGGGTTACCTCTGCAGTGTACGAGCTACCGTTACCTCCAGCTGCGCAGTGCCAGGCGCCAGGCTGCAGAAGAGCAGAAGACCTCAGGAGTCCTG ACGCGT ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR212724 representing NM_183256 Red=Cloning site Green=Tags(s) MPSAKQLADIGYKTFASAMLLTVYGGYLCSVRAYRYLQLRSARRQAAEEQKTSGLV TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mm9027_d10.zip
Restriction Sites:	Sgfl-MluI



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Cloning Scheme:



ACCN: NM_183256

ORF Size: 171 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.

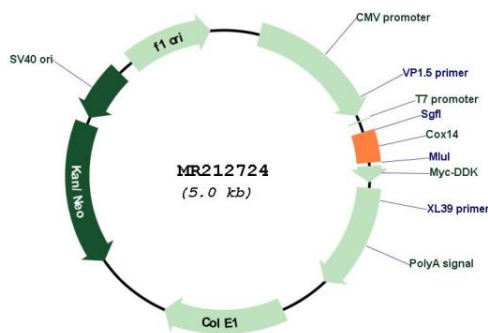
RefSeq: [NM_183256.3](#), [NP_899079.1](#)

RefSeq Size: 741 bp

RefSeq ORF: 174 bp

Locus ID: 66379
UniProt ID: [Q8BH51](#)
Cytogenetics: 15 F1
MW: 6.8 kDa
Gene Summary: Core component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly. Requires for coordination of the early steps of cytochrome c oxidase assembly with the synthesis of MT-CO1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212724