

Product datasheet for MR200963

Cox5a (NM_007747) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox5a (NM_007747) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cox5a
Synonyms: AA959768; CcOX
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200963 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCGCCGCTGCCCTCCGTCGCTGTACCGCAGCCGGCTGCCGAGGCCTCCTGCACCCCGCTCGG
 CTCCCAGCCCCGCCGCGCTGTCTGTTCCATTCGCTGCTATTCTCATGGGTCACACGAGACAGATGAGGA
 GTTTGTGCTCGCTGGGTGACATATTTCAACAAGCCAGACATTGATGCCTGGGAATTGCGTAAAGGGATG
 AATACACTTGTGGCTATGATCTGGTTCCTGAGCCAAAATCATTGATGCTGCATTGCGAGCATGTAGAC
 GGTTAAATGATTTGCTAGTGCTGTTTCGCATCTTGGAGGTTGTTAAGGACAAAGCAGGACCTCATAAGGA
 AATCTATCCCTATGTCATCCAGGAAGCTTAGACCAACTTTAAATGAATTGGGAATCTCCACTCCAGAGGAG
 CTGGGCCTTGACAAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200963 protein sequence
 Red=Cloning site Green=Tags(s)

MLAAALRRCTAAAAARGLLHPASAPSPAAAVCSIRCYSHGSHETDEEFDARWVTFNKPDIWELRKG
 NTLVGYDLVPEPKIIDAALRACRRLNDFASAVRILEVVKDKAGPHKEIYPYVIQELRPTLNELGISTPEE
 LGLDKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_007747

ORF Size: 441 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_007747.2](#), [NP_031773.2](#)

RefSeq Size: 707 bp

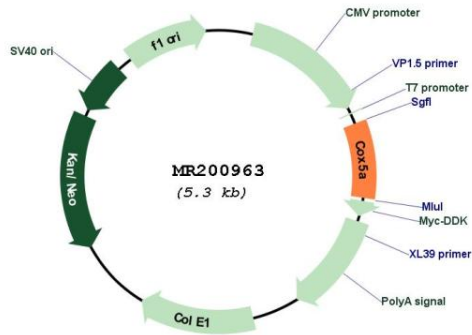
RefSeq ORF: 441 bp

Locus ID: 12858

UniProt ID: [P12787](#)

Cytogenetics: 9 B
MW: 16.1 kDa
Gene Summary: This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200963