

Product datasheet for MR200445

Cox6a1 (NM_007748) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox6a1 (NM_007748) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cox6a1
Synonyms: VlaL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200445 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCGTCGGCGGTGCTGTCTCAGCGTCTCGGGTCTCTCGGCCGCTGGGCCGGGCCCTCCCCGGTTGA
GGCGGCCCATGTCGAGTGGCGCCACGGCGAGGAGGGTTCAGCTCGGATGTGGAAGGCCCTCACCTACTT
CGTGGCGCTGCCCGGGTGGGAGTGAGCATGCTCAACGTGTTCTCAAGTCGCGGCACGAAGAGCACGAG
AGACCCCGTTCGTTGCCTACCCTCACCTGCGCATCAGGACCAAGCCCTCCCCTGGGGAGACGGTAACC
ATACCCTCTCCACAACCCTCATGTGAACCCACTCCGACCGCTATGAAGATGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200445 protein sequence
 Red=Cloning site Green=Tags(s)
 MMASAVLSASRVSRPLGRALPGLRRPMSSGAHGEEGSARMWKALTYFVALPGVGVSMNLNVLKSRHEEHE
 RPPFVAYPHLRIRTKPFPWGDGNHTLFHNPVNPLPTYEDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_007748

ORF Size: 339 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.

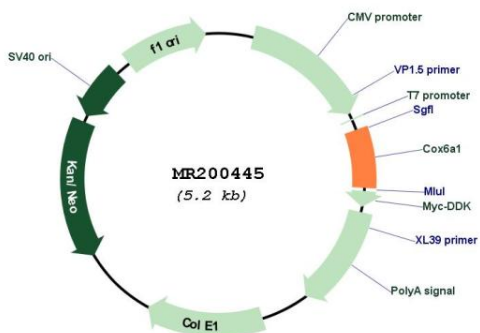
RefSeq: [NM_007748.4](#)

RefSeq Size: 533 bp

RefSeq ORF: 339 bp

Locus ID: 12861
UniProt ID: [P43024](#)
Cytogenetics: 5 56.06 cM
MW: 12.5 kDa
Gene Summary: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200445