

Product datasheet for RR202040

Cox6a1 (NM_012814) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox6a1 (NM_012814) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cox6a1
Synonyms: COX6AL
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202040 representing NM_012814
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCGGCGGTGCTGAGTGCCTCGAGTCTCTGGGCTGCTGGGCCGGCCCTCCACGGGTGGGGC
 GGCCCATGTCGAGTGGCGCCACGGCGAGGAGGGTTCAGCTCGTATTTGGAAGGCCCTCACCTACTTCGT
 GCGCTGCCCGGGTGGGAGTGAGCATGCTCAACGTTTTCTGAAGTCGGACACGAAGAGCAGAGAGA
 CCCGAGTTCGTCGCCTACCCCATCTCCGCATCAGGACTAAGCCCTTCCCTGGGAGATGGTAACCATA
 CCCTCTCCACAATCCTCACATGAACCCGCTTCCGACTGGCTATGAAGATGAGCCCTCTCCACAATCCT
 CACATGAACCCGCTTCCGACTGGCTATGAAGATGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202040 representing NM_012814
 Red=Cloning site Green=Tags(s)

MASAVLSASRVSGLLGRALPRVGRPMSSGAHGEEGSARIWKALTYFVALPGVGVSMNLNVFLKSRHEEHER
 PEFVAYPHLRIRTKPPWGDGNHTLFHNPHMNLPTGYEDEPSSILT*TRFRLAMKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

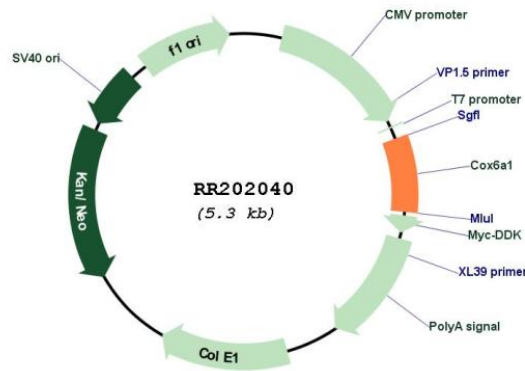


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_012814

ORF Size:

333 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:	<ol style="list-style-type: none">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 Size:	549 bp
RefSeq ORF:	336 bp
Locus ID:	25282
UniProt ID:	P10818
Cytogenetics:	12q16
MW:	12.3 kDa
Gene Summary:	liver isoform of cytochrome-c oxidase subunit VIa [RGD, Feb 2006]