

Product datasheet for **RR202755**

Cox5a (NM_145783) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox5a (NM_145783) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cox5a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202755 representing NM_145783
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCGCCGCTGCCCTCCGTCGCTGTACCGCAGCCGCGCCGCCGAGGCCCTTCTGCACCCCGTCTCGG
CTCCCAGCCCCGCTGCCGCTGTCTGTTCCATTCGCTGCTATTCTCATGGGTCACATGAGACAGATGAGGA
GTTTGATGCTCGCTGGGTGACATACTTCAACAAGCCAGACATTGATGCCTGGGAGTTGCGTAAAGGGATG
AATACACTTGTTGGCTATGATCTGGTTCCTGAGCCAAAATCATTGATGCTGCTTTGAGGGCATGTAGAC
GGTAAATGATTTTGTAGTGCTGTTCCGATCTTGGAGTTGTTAAGGACAAAGCAGGACCTCATAAGGA
AATCTACCCCTATGTCATCCAGGAACCTAGACCACTTTAAATGAATTGGGAATCTCCACTCCAGAGGAA
CTGGGCCTTGACAAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202755 representing NM_145783
 Red=Cloning site Green=Tags(s)

MLAAALRRCTAAAAARGLLHPVSAPSPAAAAVCSIRCYSHGSSETDEEFDARWVTFNKPDIWELRKGM
NTLVGYDLVPEPKIIDAALRACRRLNDFASAVRILEVVKDKAGPHKEIYPYVIQELRPTLNELGISTPEE
LGLDKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

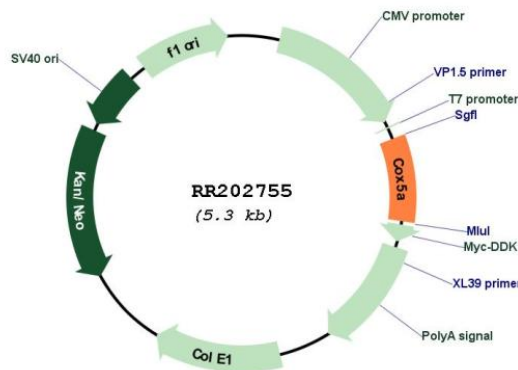


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Cloning Scheme:



Plasmid Map:



ACCN: NM_145783

ORF Size: 438 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:	<u>NM_145783.1</u> , <u>NP_665726.1</u>
RefSeq Size:	600 bp
RefSeq ORF:	441 bp
Locus ID:	252934
UniProt ID:	<u>P11240</u>
Cytogenetics:	8q24
MW:	16.1 kDa
Gene Summary:	subunit Va of the rat heart cytochrome c oxidase [RGD, Feb 2006]