

## Product datasheet for MR205697

### Coq3 (NM\_172687) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Coq3 (NM_172687) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coq3
Synonyms:	4732433J24; C77934
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205697 representing NM_172687 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGAGAGGTGGAAGGCTGGGCTCTCGTGGGGTTCGTCTCCTGGAAACGCTAGGGTTTGGGTGCCCA  
GCGCGGTCGCCAGCCTCCTCGCCTAACTCACGGTCGGCTTACTCAGGGACGCAGCTCACTAGGAATCT  
ACAGATTAAGCCGTGGAACTCGGTGAACACGGGACCATGTGCTTAGATCCTACAGGATGGCTCTCTCC  
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TCTTCATTCTATGAATGACCTACGGGTGCCATTATTAGAGACAATCTTTGAAAACAAGTCTAGTCAC  
CATCCAGGAAAGCCTTTATCTGGGATGAAGATTCTTGACGTTGGCTGTGGCGGTGGGTTATTAAGTGAAC  
CTCTAGGGAGACTGGGAGCTTCAAGTTGTTGGAATTGATCCCGTGGCTGAAAACATTAAGATAGCACAGCA  
CCATAAGTCCCTTGATCCAGTCCGGATAAGAGGATACAGTACAAAGTGTGTTCCCTGGAGGAGGCCGTG  
GATGAGAGCGCAGAGTGTGTTGATGCTGCTGGCTTCTGAAGTTGTGGAGCATGTGAGCCACCTGGAAA  
TGTTTATCCAGTGTGCTATCAAGTGTGAAACCCGGTGGCTCTTATTCATTACTACAGTGAACAAAAC  
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ACGTGGGAAAAGTTGTTTACCTGAAAAGCTAGAGAGTATCTTGAACCAAATGGTCTGTGAGTTGAAA  
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TGACGCCATGCTGTGAGATCCAGGGCTCAGGAGCACCAGGAGCCTGCTGAGTCTGCTTTAAAGGGGAA  
ACAGGAGCACTCCATGCTAACACCTCCGGTAGCCCCAGTGTACGGGAGGAGCAGAGGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR205697 representing NM\_172687  
Red=Cloning site Green=Tags(s)

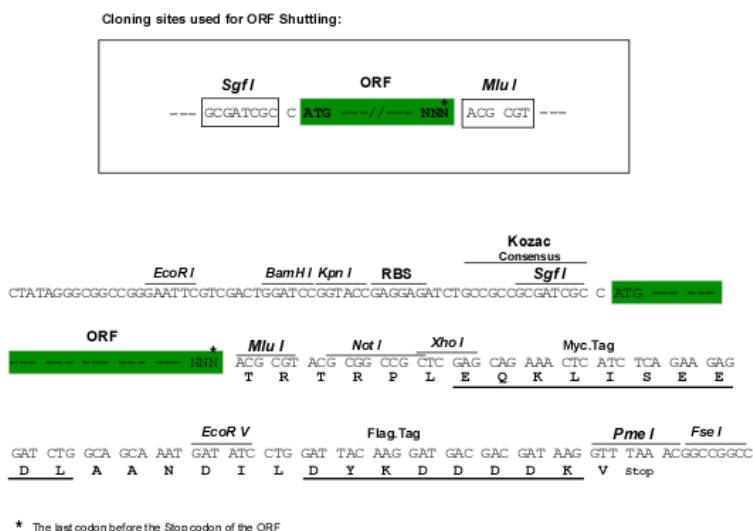
MWRGGRLGSRGVRLLETLGFGCPSAVAQPPRLTSRSAYSGTQLTRNLQIKPWELGEHGTMCFRSYRMALS  
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 HPGKPLSGMKILDVCGGGLLTEPLGRLGASVVGIDPVAENIKIAQHHKSFDPVLDKRIQYKVCSLEEAV  
 DESAECFDVAVASEVVEHVSHLEMF IQCCYQVLKPGGSLFITTVNKTQLSYALGIVFAEQIAGIVPKGTH  
 TWEKFVSPKLESILEPNGLSVETVAGLVYNPFGSYWHWSENTSLNYAAHAVRSRAQEHQEPAESALKGE  
 TGALHANTSGSPSVREEQRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9081\\_g08.zip](https://cdn.origene.com/chromatograms/mm9081_g08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_172687

**ORF Size:** 1110 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\\_172687.2](#)

**RefSeq Size:** 2613 bp

**RefSeq ORF:** 1113 bp

**Locus ID:** 230027

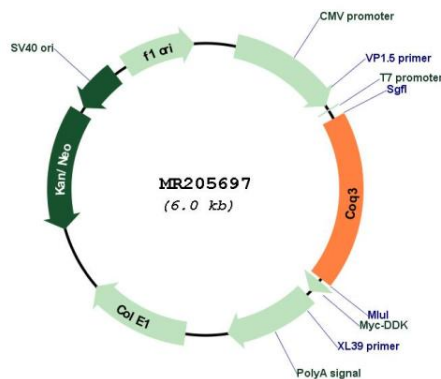
**UniProt ID:** [Q8BMS4](#)

**Cytogenetics:** 4 9.11 cM

**MW:** 41 kDa

**Gene Summary:** O-methyltransferase that catalyzes the 2 O-methylation steps in the ubiquinone biosynthetic pathway.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR205697