

Product datasheet for **MG205697**

Coq3 (NM_172687) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Coq3 (NM_172687) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Coq3
Synonyms: 4732433J24; C77934
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205697 representing NM_172687
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGAGAGGTGGAAGGCTGGGCTCTCGTGGGGTTCGTCTCCTGGAAACGCTAGGGTTTGGGTGCCCA
 GCGCGGTCGCCAGCCTCCTCGCCTAACCTCACGGTCGGCTTACTCAGGGACGCAGCTCACTAGGAATCT
 ACAGATTAAGCCGTGGAACTCGGTGAACACGGGACCATGTGCTTAGATCCTACAGGATGGCTCTCTCC
 TGTTTGAGCAGAGTAAAACTTACAGGACCCTTGAAGAGATTGTACAGTACTTCAAAACAACAGTTG
 ACAGCAGGGAGGTCAAAACTTCCAGGCCCTGGCTCACACGTGGTGGGATGAGTACGAAAGTTTGCGCC
 TCTTCATTCTATGAATGACCTACGGGTGCCATTATTAGAGACAATCTTTGAAAACAAGTCTAGTCAC
 CATCCAGGAAAGCCTTTATCTGGGATGAAGATTCTTGACGTTGGCTGTGGCGGTGGGTTATTAAGTGAAC
 CTCTAGGGAGACTGGGAGCTTCAAGTTGTTGAAATTGATCCCGTGGCTGAAAACATTAAGATAGCACAGCA
 CCATAAGTCCCTTGATCCAGTCCGGATAAGAGGATACAGTACAAAGTGTGTTCCCTGGAGGAGGCCGTG
 GATGAGAGCGCAGAGTGTGTTGATGCTGCTGGCTTCTGAAGTTGTGGAGCATGTGAGCCACCTGGAAA
 TGTTTATCCAGTGTGCTATCAAGTGTGAAACCCGGTGGCTCTTATTCATTAAGTACAGTGAACAAAAC
 ACAGCTGTCTATGCCTTGGAAATTGTTTTCGAGAGCAAATTCAGGCATTGTTCCAAAAGGCACTCAT
 ACGTGGGAAAAGTTGTTTACCTGAAAAGCTAGAGAGTATCTTGAACCATATGGTCTGTCAAGTTGAAA
 CTGTGGCAGGATTGGTCTATAATCCTTTCTCAGGTTACTGGCATTGGAGTAAAAATACCAGCCTTAACTA
 TGAGCCCATGCTGTGAGATCCAGGGCTCAGGAGCACCAGGAGCCTGCTGAGTCTGCTTTAAAGGGGAA
 ACAGGAGCACTCCATGCTAACACCTCCGGTAGCCCAAGTGTACGGGAGGAGCAGAGGACA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205697 representing NM_172687
 Red=Cloning site Green=Tags(s)

MWRGGRLGSRGVRLLETLGFGCPSAVAQPPRLTSRSAYSGTQLTRNLQIKPWELGEHGTMCFRSYRMALS
 CLSRVKTYRTPWKRLYSTSQTTVDSREVKNFQALAHWWDEYKGFAPLHSMNDLRVPIRDNLLKTSASH
 HPGKPLSGMKILDVCGGGLL TEPLGRLGASVVGIDPVAENIKIAQHHSFDPVLDKRIQYKVCLEEAV
 DESAECFDVAVASEVVEHVSHLEMF IQCCYQVLKPGGSLFITTVNKTQLSYALGIVFAEQIAGIVPKGTH
 TWEKFVSPKLESILEPYGLSVETVAGLVYNPFSGYWHWSENTSLNYAAHAVRSRAQEHQEPAESALKGE
 TGALHANTSGSPSVREEQRT

TRTRPLE - GFP Tag - V

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_172687.1](#), [NP_766275.1](#)

RefSeq Size: 2613 bp

RefSeq ORF: 1113 bp

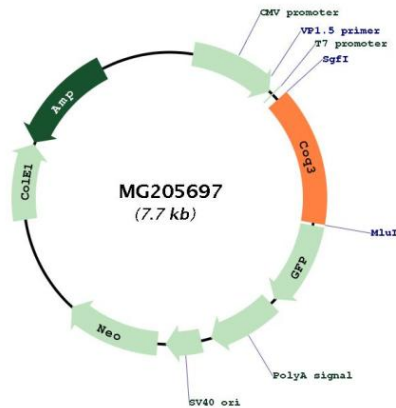
Locus ID: 230027

UniProt ID: [Q8BMS4](#)

Cytogenetics: 4 9.11 cM

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 MG205697