

Product datasheet for **MG204460**

Coq9 (BC036386) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coq9 (BC036386) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Coq9
Synonyms:	2310005O14Rik; C78387
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204460 representing BC036386 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCACAGCAGCCGTGTCTGGTGTCTCGGCCGCTTGGGCTGGAGGCTCCTGCAGCTGCGGTGCC
TGCCCGTGGCCCGCTGCCGACCAGCTCTGGTGCCACGTGCCTCCACACTGCCGTGGGGTTCCGGTCTTC
AGAAGAGCAGAAGCAGCAGCCTCCCACTCTTCTCTCAGCAGCATTCTGAGACACAGGGCCCGAGTTT
TCCCGTCCACCCCGAGGTACACAGACCAGAGTGGAGAGGAGGAAGAGGACTATGAGAGTGAGGAGCAGC
TACAGCACCGCATCTTGACAGCAGCCCTAGAGTTTGTGCCTGCCATGGCTGGACTGCAGAGGCCATTGC
CGAAGGAGCCAGTCCTTGGGTCTCTCCAGCGCAGCAGCCAGCATGTTTGGGAGCGATGGCAGTGAGCTG
ATTCTTCACTTTGTGACCCAGTGAATGCTCGCCTCAACCAGGTGCTGGAAGAGGAGCAGAAGCTGGTGC
AACTGGGCCAGGCAGAGAAGAGGAAGACAGACCAGTTCCTGAGGGATGCAGTGGAAACCAGACTGAGAAT
GCTGATCCCTACATTGAGCACTGGCCCGGCCCTCAGCATCCTCCTGCTCCCTCACAACATCCCACCC
AGCCTGAACCTTGCTCACCAGCATGGTGGATGACATGTGGCATTACGCTGGGGACCACTCCACTGACTTTA
ACTGGTACACCCCGCGTGCAGTGTGGTGGCATCTACAACACAACAGAGCTGGTATGATGCAGGATTC
CTCCCCAGACTTTGAAGATACTTGGCGCTTCTGGAAAACCGGATTAATGATGAATGAACATGGGCCAC
ACGGCTAAGCAGGTGAAGTCCACGGGAGAGGCACTGGTGAAGGACTGATGGGTGCAGCGGTACAGCTCA
AGAACCTGACGGGTCTAAACCAGCGTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204460 representing BC036386
 Red=Cloning site Green=Tags(s)

MAATAAVSGVLGRLGWRLQLRCLPVARCRPALVPRAFHTAVGFRSSEEQKQPPHSSSQHSETQGPEF
 SRPPPRYTDQSGEEEEEDYESEEQLQHRILTAALFVPAHGWTAEIAEQAQSLGLSSAAAAMFGSDGSEL
 ILHFVTQCNARLNQVLEEEQKLVLGQAEKRKTDQFLRDAVETRLRMLIPYIEHWPRALSILLPHNIPP
 SLNLLTSMVDDMWHYAGDQSTDFNWTTRRAVLAGIYNTTELVMQDSSPDFEDTWRFLFNINDAMNMGH
 TAKQVKSTGEALVQGLMGAAVTLKNTGLNQRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC036386

ORF Size: 941 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: [BC036386](#), [AAH36386](#)

RefSeq Size: 1717 bp

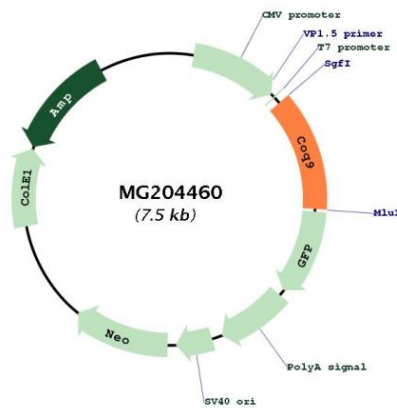
RefSeq ORF: 941 bp

Locus ID: 67914

Cytogenetics: 8 C5

Gene Summary: Lipid-binding protein involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed:25339443). Binds a phospholipid of at least 10 carbons in each acyl group. May be required to present its bound-lipid to COQ7 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204460