

## Product datasheet for **MR204784**

### Coq5 (NM\_026504) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Coq5 (NM\_026504) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Coq5  
**Synonyms:** 1810014G04Rik; D5Ertd33e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR204784 representing NM\_026504  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGCCAGGTGCTGCGTTCTATGGCGCTCTGCGGCCGCGGGTGGTGGCAGCCACGGGACT  
GCAGGCTCCCGGGTGCATAGATCCTGGCCATGGCCACGCTGGGAACGCGTCTTGTCCAGGAGAA  
GCGAGCCCGGAAACGCACCTCGGGTTTGGACCGTGTGGAAGGGGAGAAAGGAAGCAAAGTCTACCAG  
GTGTTTGAGAACGTGGCCAAGAAGTACGATCTGATGAATGACATGATGAGTCTCGGCATCCATCGAGCTT  
GGAAGGATTTGCTTATCAGGAAGATGCACCCGCTGCCCGGACCCAGCTGCTCGACATGGCTGGAGGCAC  
AGGTGACATTGCGTTCGGTTCCTTAGTTACGTTACGGCACAACATCAGAGGAGACAGAGGAGACAGCTA  
AGGACTCAGCAAAACCTATCCTGGGAAGAAATTGCCAAAAAGTACCAGAAATGAAGAGGATTCCTTGGGAG  
GTTCACTTGCCACGGTCTGTGACATCAACAGGGAGATGCTAAAGGTTGGGAAGCAGAAGGCCCTTGGACCA  
AGGACACACAGCTGGACTGGCGTGGGTGCTGGGAGACGCTGAAGAAGTGCCTTCGATGACGACAGCTTT  
GATGTTTACACATTGCATTTGGGATCCGGAATGTCACACACATTGACCAGGCTCTCCAGGAAGCCCATC  
GGTCCAAAGCCAGGAGGCCGGTTTCTCTGTCTGGAATTTGGCCAAGTGAATGACCCTCTCATATCCAG  
GCTTTATGATCTGTACAGCTTCCAGTCCATCCCTGTGATTGGTGAGGTCATTGCAGGAGACTGGAAGTCC  
TACCAATACCTTGTGAAAGTATTCGGAAGTCCCAAATCAGGAGGACTCAAGGACATGATTGAAGACG  
CAGGCTTTCAGAGGGTGACGTACGAGAACCTGACTACAGGGATTGTGGCCATTCACTCTGGCTTCAAAC  
T

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

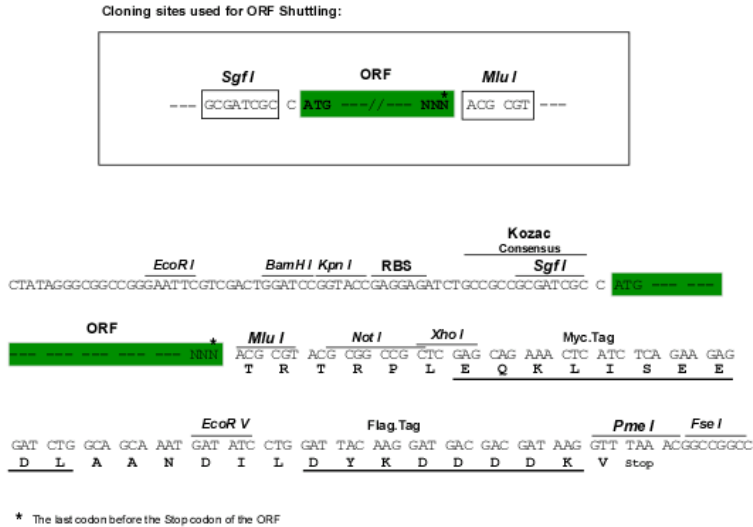
**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9076\\_f10.zip](https://cdn.origene.com/chromatograms/mm9076_f10.zip)



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_026504

ORF Size: 981 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\\_026504.2](#), [NP\\_080780.1](#)

RefSeq Size: 2001 bp

RefSeq ORF: 984 bp

Locus ID: 52064

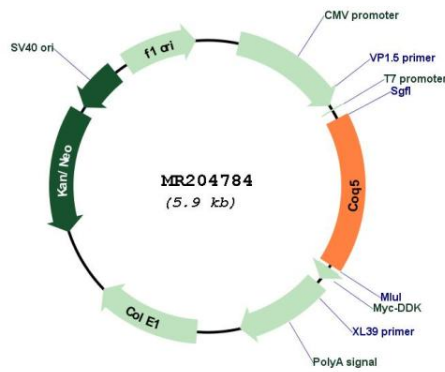
UniProt ID: [Q9CXI0](#)

**Cytogenetics:** 5 56.03 cM

**MW:** 37.8 kDa

**Gene Summary:** Methyltransferase required for the conversion of 2-polyprenyl-6-methoxy-1,4-benzoquinol (DDMQH2) to 2-polyprenyl-3-methyl-6-methoxy-1,4-benzoquinol (DMQH2).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204784