

Product datasheet for **MG204784**

Coq5 (NM_026504) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Coq5 (NM_026504) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Coq5
Synonyms: 1810014G04Rik; D5Ertd33e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204784 representing NM_026504
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCCAGGTGCTGCGTTCTATGGCGCTCTGCGGCCGCGGTGGTGGCGAGCCACGGGACT
GCAGGCTCCCGGGTGCATAGATCCTGGCCATGGGCCACGCTGGGAACGCGTCTTGTCCAGGAGAA
GCGAGCCCGGAAACGCACTTCGGGTTTGGACCGTGTGGAAGGGGAGAAAGGAAGCAAAGTCTACCAG
GTGTTTGAGAACGTGGCCAAGAAGTACGATCTGATGAATGACATGATGAGTCTCGGCATCCATCGAGCTT
GGAAGGATTTGCTTATCAGGAAGATGCACCCGCTGCCCGGACCCAGCTGCTCGACATGGCTGGAGGCAC
AGGTGACATTGCGTTCGGTTCCTTAGTTACGTTACGGCACAACATCAGAGGAGACAGAGGAGACAGCTA
AGGACTCAGCAAAACCTATCCTGGGAAGAAATTGCCAAAAAGTACCAGAAATGAAGAGGATTCCCTGGGAG
GTTCACTTGCCACGGTCTGTGACATCAACAGGGAGATGCTAAAGGTTGGGAAGCAGAAGGCCCTGGACCA
AGGACACACAGCTGGACTGGCGTGGGTGCTGGGAGACGCTGAAGAAGTGCCTTCGATGACGACAGCTTT
GATGTTTACACCATTCATTTGGGATCCGGAATGTCACACACATTGACCAGGCTCTCCAGGAAGCCCATC
GGTCCAAAGCCAGGAGGCCGGTTTCTCTGTCTGGAATTTGGCCAAGTGAATGACCCTCTCATATCCAG
GCTTTATGATCTGTACAGCTTCCAGTCCATCCCTGTGATTGGTGAGGTCATTGCAGGAGACTGGAAGTCC
TACCAATACCTTGTGAAAGTATTCGGAAGTCCCAAATCAGGAGGACTTCAAGGACATGATTGAAGACG
CAGGCTTTCAGAGGGTGACGTACGAGAACCTGACTACAGGGATTGTGCCATTCACTCTGGCTTCAAAC
T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204784 representing NM_026504
Red=Cloning site Green=Tags(s)

MAAPRCCVLWRVCGRWWRATGHCRLPGCHRSPWATLGTSLSQEKRAAETHFGFETVSEGEKGSKVYQ
 VFENVAKKYDLMNDMMSLGIHRAWKDLLIRKMHPLPGTQLLDMAGGTGDIAFRFLSYVQAQHRRRQRQL
 RTQQLNSWEEIAKKYQNEEDSLGGLATVCDINREMLKVGKQKALDQGH TAGLAWVLGDAEELPFDDDSF
 DVYTIAFGIRNVTHIDQALQEHRVLPKGGFRFLCLEFGQVNDPLISRLYDLYSFQVIVIGEVIAGDWKS
 YQYLVESIRKFPNQEDFKDMIEDAGFQRVTYENLTTGIVAIHSGFKL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026504

ORF Size: 981 bp

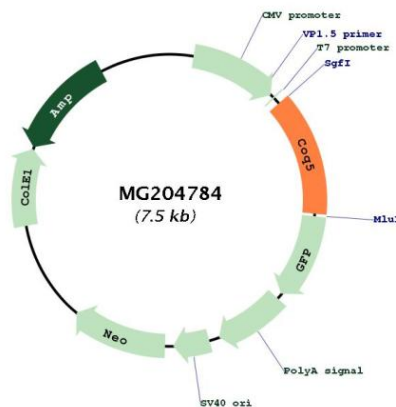
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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: | <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: | 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 |
| 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 MG204784