

Product datasheet for **RG230768**

COQ7 (NM_001190983) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COQ7 (NM_001190983) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: COQ7
Synonyms: CAT5; CLK-1; CLK1; COQ10D8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230768 representing NM_001190983
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTATGGAAGAAGAACCAGTGTCTAGATTTTCGAGTTCAGGAATGACTTTAGACAATATCAGTCGGG
CAGCTGTGGATCGAATAATCCGGGTGGATCATGCAGGCGAATATGGAGCAAACCGCATCTATGCCGGCA
GATGGCTGTCCTGGTCCGACAGCGTCCGGCCAGTCATTCAGAAAATGTGGGATCAAGAAAAGGACCAT
TTGAAAAAGTTCAATGAGTTGATGGTTATGTTCCAGGGTCCGCCAACAGTTCTGATGCCCTGTGGAACG
TGCTGGGGTTTGCCTGGGGCGGGGACCGCCTTGCTCGGAAGGAAGGTGCCATGGCCTGCACCGTGGC
GGTGAAGAGAGCATAGCACATCACTACAACAACAGATCAGGACGCTGATGGAGGAGGACCTGAAAAA
TACGAGGAACTTCTTACGCTGATAAAGAAATTTCCGGGATGAAGAGCTTGAGCACCATGACATAGGCCTCG
ACCATGATGCAGAATTGGCTCCAGCCTATGCCCTCCTGAAGAGCATTATCCAGGCCGGATGCAGAGTGGC
GATATATTTATCAGAAAGATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230768 representing NM_001190983
Red=Cloning site Green=Tags(s)

MAYGRRTSVRFRSSGMTLDNISRAAVDRIIRVDHAGEYGANRIYAGQMAVLGRTSVGPVIQKMWDQEKDH
LKKFNELMVMFRVPTVLMPLWNVLGFALGAGTALLGKEGAMACTVAVEESIAHHYNNQIRTLMEEDPEK
YEELLQLIKKFRDEELEHHDIGLDHDAELAPAYAVLKSIIQAGCRVAIYLSERL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001190983.1](#), [NP_001177912.1](#)

RefSeq Size: 2616 bp

RefSeq ORF: 540 bp

Locus ID: 10229

UniProt ID: [Q99807](#)

Cytogenetics: 16p12.3

Protein Pathways: Metabolic pathways, Ubiquinone and other terpenoid-quinone biosynthesis

Gene Summary: The protein encoded by this gene is similar to a mitochondrial di-iron containing hydroxylase in *Saccharomyces cerevisiae* that is involved with ubiquinone biosynthesis. Mutations in the yeast gene lead to slower development and longer life span. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]