

## Product datasheet for **RC205174**

### **COQ10B (NM\_025147) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COQ10B (NM_025147) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COQ10B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205174 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGCTCGGACTGGTCATACGGCCTTGAGAAGGGTAGTCTCGGGATGCCGTCCGAAGTCGGCGACAG  
CGGCCGGGGCGCAGGCGCCCGTGCAGAAATGGCAGATATTTAGCTTCTGTGGTATACTGATGAGCAGAAC  
TCTTCCACTACATACCTCAATTTGCCTAAGGAGATATGTGCACGAACTTCTTCAAATCACTGCACCA  
TTAATAAACAAGGAAAGAATATTCAGAGAGAAGAATTTAGGATATTCATGCAGGAAATGTATGATG  
TAGTATCGGGAGTGGAGGATTACAAGCATTTTGTCTTGGTGCAAAAAATCAGATGTTATCAAAGAG  
ATCTGGATATTGTAACAAGATTAGAAATTGGATTTCCACCTGTGTTGGAGCGATATACATCAGTAGTA  
ACCTTGGTGAAACCTCATTTAGTAAAGGCATCTTGTACTGATGGGAGACTTTTCAATCATTGGAGACTA  
TTTGGCGTTTTAGCCAGGTCTTCTGGCTACCAAGAACTTGTACCTTGGATTTTTCAATTTCTTTGA  
ATTTGATCACTTCTACATTCAGCTTCCACACTCTTTTTGATGAAGTTGTGAAGCAGATGGTAGCT  
GCCTTTGAAAGAAGAGCATGTAAGCTGTATGGTCCAGAAACAAATATACCTCGGGAGTTAATGCTTCATG  
AAGTCCATCACACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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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\\_025147.4](#)

**RefSeq Size:** 1989 bp

**RefSeq ORF:** 717 bp

**Locus ID:** 80219

**UniProt ID:** [Q9H8M1](#)

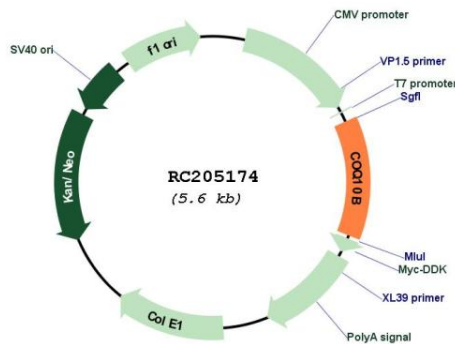
**Cytogenetics:** 2q33.1

**Domains:** ARPF

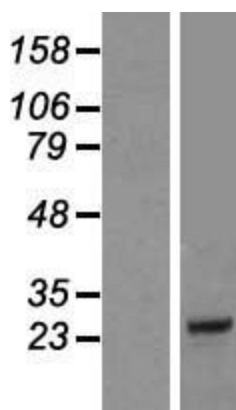
**MW:** 27.1 kDa

**Gene Summary:** Required for the function of coenzyme Q in the respiratory chain. May serve as a chaperone or may be involved in the transport of Q6 from its site of synthesis to the catalytic sites of the respiratory complexes (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC205174



Western blot validation of overexpression lysate (Cat# [LY410865]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205174 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified COQ10B protein (Cat# [TP305174]). The protein was produced from HEK293T cells transfected with COQ10B cDNA clone (Cat# RC205174) using MegaTran 2.0 (Cat# [TT210002]).