

## Product datasheet for **RG205174**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COQ10B (NM\_025147) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** COQ10B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG205174 representing NM\_025147  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGCAGCTCGGACTGGTCATACGGCCTTGAGAAGGGTAGTCTCGGGATGCCGTCCGAAGTCGGCGACAG  
CGGCCGGGGCGCAGGCGCCCGTGCAGAAATGGCAGATATTTAGCTTCTGTGGTATACTGATGAGCAGAAC  
TCTTCCACTACATACCTCAATTTGCCTAAGGAGATATGTGCACGAACCTTCTTCAAATCACTGCACCA  
TTAATAAAACAAAAGGAAAGAATATTCAGAGAGAAGAATTTAGGATATTCATGCAGGAAATGTATGATG  
TAGTATCGGGAGTGGAGGATTACAAGCATTGTTCTTGGTCAAAAAATCAGATGTTATCAAAGAG  
ATCTGGATATTGTAACAAGATTAGAAATTGGATTTCCACCTGTGTTGGAGCGATATACATCAGTAGTA  
ACCTTGGTGAAACCTCATTTAGTAAAGGCATCTTGTACTGATGGGAGACTTTTCAATCATTGGAGACTA  
TTTGGCGTTTTAGCCAGGTCTTCTGGCTACCCAAGAACTTGTACCTTGGATTTTTCAATTTCTTTTGA  
ATTTGATCACTTCTACATTCAGCTTCCACACTCTTTTTGATGAAGTTGTGAAGCAGATGGTAGCT  
GCCTTTGAAAGAAGAGCATGTAAGCTGTATGGTCCAGAAACAAATATACCTCGGGAGTTAATGCTTCATG  
AAGTCCATCACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG205174 representing NM\_025147  
Red=Cloning site Green=Tags(s)

MAARTGHTALRRVVSRCRPKSATAAGAQAQAVRNGRYLASCILMSRTLPLHTSILPKEICARTFFKITAP  
LINKRKEYSERRILGYSMQEMYDVVSGVEDYKHFVPWCKKSDVISKRSGYCKTRLEIGFPPVLERYSV  
TLVKPHLVKASCTDGRLEFNHLETIWRFSPLGPGYPRCTLDFFSISFEFRSLLHSQALATLFFDEVVKQVMA  
AFERRACKLYGPETNIPREMLHEVHHT

TRTRPLE - GFP Tag - V





<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_025147.4</a></u>
<b>RefSeq Size:</b>	1990 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	80219
<b>UniProt ID:</b>	<u><a href="#">Q9H8M1</a></u>
<b>Cytogenetics:</b>	2q33.1
<b>Domains:</b>	ARPF
<b>Gene Summary:</b>	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]