

## Product datasheet for **RG206224**

### COX6B2 (NM\_144613) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COX6B2 (NM\_144613) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** COX6B2  
**Synonyms:** COXVIB2; CT59  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206224 representing NM\_144613  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTGGATGTGGAAGCCAGGAGCCCCCAAGGGGAAATGGTCGACGCCCCCTTCGACCCGCGCTTCC  
 CCAGCCAGAACCAGATCCGTAAGTCTACCAGAACTTCTGGACTACCACCGCTGCCTCAAGACCAGGAC  
 CCGCCCGGGAAGAGCACGCAGCCCTGCGAGTACTATTTCCGCGTGTACCACTCGCTGTGCCCATCAGC  
 TGGGTGGAGAGCTGGAACGAGCAGATCAAGAACGGGATTTCCGCCGCAAATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG206224 representing NM\_144613  
 Red=Cloning site Green=Tags(s)  
 MLDVEAQEPPKWKSTPPFDPRFPSQNIQIRNCYQNFLDYHRCLKTRTRRGKSTQPCEYYFRVYHSLCPIS  
 WVESWNEQIKNGIFAGKI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_144613

**ORF Size:** 264 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:**

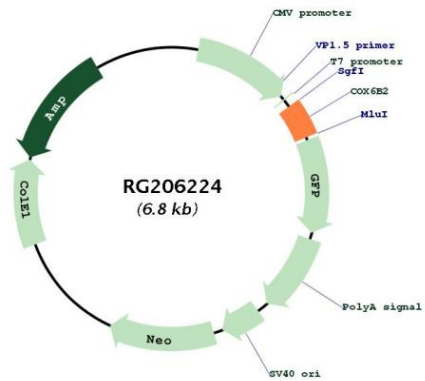
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_144613.5](#)

**RefSeq Size:** 1679 bp

RefSeq ORF:	267 bp
Locus ID:	125965
UniProt ID:	<a href="#">Q6YFQ2</a>
Cytogenetics:	19q13.42
Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Gene Summary:	Connects the two COX monomers into the physiological dimeric form.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG206224