

Product datasheet for **SC306162**

COX6B2 (NM_144613) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COX6B2 (NM_144613) Human Untagged Clone
Tag:	Tag Free
Symbol:	COX6B2
Synonyms:	COXVIB2; CT59
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC026123 edited
AGCGGGCGGTGCACGACGGCTCCATTGGCTGGGGCTCGGGCGTCTAGCCAATCCGGCC
GCGGGGTGCGTTTCTCTGACCCGGTGGGACCTGCACCCCGGGACTCAGAAGCGAGCG
GCACCCCGGGACCATCCACAGCAGATCCAGTGGCCGCCAACGTGAGGCTGGAGTTGCT
CCTTCGTGGATGTTGGATGTGGAAGCCAGGAGCCCCCAAGGGGAAATGGTCGACGCC
CCCTTCGACCCGCGCTTCCCCAGCCAGAACCAGATCCGTAAGTGTACCAGAACTTCTG
GACTACCACCGCTGCCTCAAGACCAGGACCCGCCGCGGGAAGAGCACGCAGCCCTGCGAG
TACTATTTCCGCGTGTACCACTCGCTGTGCCCATCAGCTGGGTGGAGAGCTGGAACGAG
CAGATCAAGAACGGGATTTTCGCCGCAAAATCTGACTGCCCCAGCGCGCTTCTCTGA
AGATGCAGTGATCCTGCATCTTTTTGTCTCGCGGAGCCCCGGGTCTCGGTTATCCACCC
TACCTCCAGTGTCTAAGCCACGAATAATGCCACCAGCCTTCGAGTTCCTTGTTCCTT
GCTCTGGTCTCCACGTGATGATGGGGTCTCAGGCCAGGCTTCGACCAGAGGACCTC
TGCCACCACCGTTTCTCTGCTCTTGAGCTACCTTGGTGAATCATGACCCAGGCC
TGCTCCACCAGGATGTCCCCAGGTCTGCCAGCTGGGAAGTCCAGCATGAACGCCTCC
AACTTCGTGGAAGCCAGGTCCCCTGCAGCTGAGGGACGCCAAGCAGACACACCTGCCCT
CCCCAGCCAGCTCCTGTCTGTATGGGCGAGATGACTGAGAGCGCCACGTCCCTAAGGCT
GTCTGACCTCCATGCTGCGACAAGGACAGGGAATGGTCGGTCACTATGGGCCTGGTGT
CTCCCCTCCCCACCACCCGGTGTGCCAGCTCAAGCCAGAAGCTGACTTTGGCCGCCA
TGGGGACATCAGGCAAGGTCTGGAGACATTTTTGGTTGGGGCAGAGGCATGCTCCTGGCA
TCGAGTGGGTGGAGACCAGAGAAGCCGCTCAACATCCTGCAATGCATGGGACAGGCCCTG
CCTAGAAAACACGACTCAGCATGGCAGCAGTGGGAGGCCAGGAAACCCTGATCGCCAGT
TTCTAACGCCCTCACCATTTTTATTTTTATTTTTATTTTTTTGAGACAGAGTTTCGCTC
CTGTCAACCAGGCTGGAGTACAATGATGCGATCTCAGCTCACTGCAACCTCTGCCTCCCG
GGTTCAAGTGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCATGCACCAC
CACGCCAGCTTATTTGTATTTTTAGTAGAGACGGGTTTTCTCCGTGTTGGTCAGGCTG
GTCTCAAACCTCTGACCTCAGGCAATCTGCCACCTCAGCCTCCCAAAGTGTGGGATTA
CAGGCGTGAGCCACTGCACCCGGCTCACCAGTTTTTAGCCCTTTTTGTTGGGGGTGG
GGTGGGGCAGAGGAGAGGCGGATACAGAACTGTGAGAATGTGATGAACGCTCTGAAC
CCCCTATAAAAAATGTGCATGTAATATATACTCTCAACATTTAAAGAAAAAAAAAAAA
AAAAA

Restriction Sites: Please inquire

ACCN: NM_144613

Insert Size: 267 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: DNA sequence of this clone matches with that of NM_144613.3.

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:	<u>NM_144613.3</u> , <u>NP_653214.2</u>
RefSeq Size:	1679 bp
RefSeq ORF:	267 bp
Locus ID:	125965
UniProt ID:	<u>Q6YFQ2</u>
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] Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. All four variants encode the same protein.