


## Product datasheet for SC317221

### COX7B2 (NM\_130902) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COX7B2 (NM_130902) Human Untagged Clone
Tag:	Tag Free
Symbol:	COX7B2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317221 representing NM_130902. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGTTTCCCTTGCCAGAAATGCACTAAGCAGTCTCAAGATCAAAGCATTCTGCAAAGCATGGCA
AGACATAGCCATGTAAAACACTCACCAGATTTTCATGATAAATATGGTAATGCTGTGCTAGCCAGTGGA
ACTGCTTCTGTGTTGCTACATGGGTGTTACAGCCACTCAGATTGGAATAGAATGGAACCTATCCCCT
GTTGGCAGAGTTACCCAAAAGAGTGAAACATCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	
ACCN:	NM_130902
Insert Size:	246 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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<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>	<a href="#">NM_130902.2</a>
<b>RefSeq Size:</b>	566 bp
<b>RefSeq ORF:</b>	246 bp
<b>Locus ID:</b>	170712
<b>UniProt ID:</b>	<a href="#">Q8TF08</a>
<b>Cytogenetics:</b>	4p12
<b>Protein Pathways:</b>	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
<b>MW:</b>	9.1 kDa
<b>Gene Summary:</b>	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.[UniProtKB/Swiss-Prot Function]