

## Product datasheet for MR206197

### Cox15 (BC011509) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cox15 (BC011509) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cox15
Synonyms:	MGC18952
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206197 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAACGGTTGCTCCTCCGTCCTGAGGGCCTTGACGGGGAGCCGCAATGTCGGGCTCCTGGTCCCTA  
GGGTGGCGTCCAGAACACAGTGTGGCAGCAGCTGTGGCAGCCAGCGTCTCTGAGCCAGGACAGTACAG  
CACCATCACTGAAGTGGCTCTGCAATCCGAAAAGGGACAGTGTCCCTCCTTCGAGGGCAGCCGAGCGG  
GCGGTGGCCGATGGCTTCTGGTGTGCAGTGGGACAGTGGCTGGAGCAGTTATTCTGGGAGGAGTGACCA  
GGTTGACAGAGTCTGGCCTCTCAATGGTAGACTGGCATCTGATAAAGGAGATGAAGCCGCCACAAGCCA  
GGAAGAGTGGGAAGCAGAGTTCCAAAAGTACCAGCAATTTCCAGAATTTAAAATCCTGAACCATGACATG  
ACGCTGGCGGAATTCAAGTTTATCTGGTACATGGAATACTCACACCGGATGTGGGGGCGAGCTGTAGGCC  
TTGCATACATCCTGCCTGCTGCCTACTTTTGGAGAAAAGGTTGGCTCAACCGTGGCATGAAAGGACGTGT  
TCTCGCCCTCTGTGGCTTAGTCTGTTCCAGGGTCTGTTGGGTTGGTATATGGTGAAGTGGATTGGAA  
GAAAAACCAGAGTCCATGACATCCCTCGGGTCACTCAGTACCGCCTCGCAGCCACCTGGGGTCAAGC  
TGGTCTCTACTGTGCCAGTCTGTGGACCTCCCTGTCACTGCTACTGCCTCAGCACAAAGTACCAGAAAC  
TCGGCAGCTCCTGTGGTTGAGACGGTTTGTGGTGGCACAGCAGGCTGGTGTTCCTCACGGCTCTCTCA  
GGGGCTTTTGTGGCAGGGCTGGATGCTGGCCTCGTTTACAACCTCCTTCCCAAAATGGGAGAACTTTGGA  
TCCCAGAGGACCTCCTGACCTTCTCCCCTGTCCCTGAAGAATGTTTTGAGAATCCTACCATGGTTCAAGT  
TGATCACAGGCTTCTGGGAGTCACTGTCTGCTACTGCCATTACAGTGTCTATTTCTGTCCCGGAGAATC  
CCCCTTCTCGAAGAACCAAGATGGCAGCAGTACTCTGCTAGCTTTGGCATATGCACAGGTGGCCCTGG  
GCATTAGCACTCTGCTTATGTACGTCCCCACTCCGCTGGCTGCCACACACACACACACACACACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206197 protein sequence  
 Red=Cloning site Green=Tags(s)

MQRLLPSLRALTGSRNVGLLVPRVASRTQCGSSCGSQRPLRPGQYSTITEVALQSGKGTVSLPSRAAER  
 AVGRWLLVCSGTVAGAVILGGVTRLTESGLSMVDWHLIKEMKPPTSQEEWEAEFQKYQQFPEFKILNHDM  
 TLAEFKFIWMEYSHRMWGRAVGLAYILPAAYFWRKRWLNRMKGRVLALCGLVCFQGLLGWYMKSGLE  
 EKPEYDIPRVSYRLAAHLGSALVLYCASLWTSLSLLLPQHKLPETRQLLWLRRFAGGTAGLVFLTALS  
 GAFVAGLDAGLVYNSFPKMGESWIPEDLLTFSPVLKNVFENPTMVQFDHRLLGVTSVTAITVLYFLSRRIL  
 PLPRRTKMAAVTLLALAYAQVALGISTLLMYVPTPLAATHHTHTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC011509

**ORF Size:** 1188 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:** [BC011509](#), [AAH11509](#)

**RefSeq Size:** 1417 bp

**RefSeq ORF:** 1190 bp

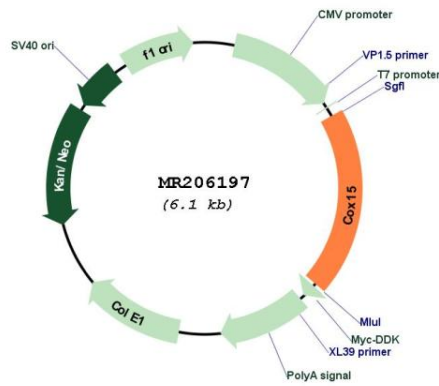
**Locus ID:** 226139

**Cytogenetics:** 19 C3

**MW:** 44 kDa

**Gene Summary:** May be involved in the biosynthesis of heme A.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206197