

Product datasheet for **MG206197**

Cox15 (BC011509) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox15 (BC011509) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cox15
Synonyms:	MGC18952
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206197 representing BC011509 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAACGGTTGCTCCTCCGTCCTGAGGGCCTTGACGGGGAGCCGCAATGTCGGGCTCCTGGTCCCTA
GGGTGGCGTCCAGAACACAGTGTGGCAGCAGCTGTGGCAGCCAGCGTCTCTGAGCCAGGACAGTACAG
CACCATCACTGAAGTGGCTCTGCAATCCGAAAAGGGACAGTGTCCCTCCTTCGAGGGCAGCCGAGCGG
GCGGTGGCCGATGGCTTCTGGTGTGCAGTGGGACAGTGGCTGGAGCAGTTATTCTGGGAGGAGTGACCA
GGTTGACAGAGTCTGGCCTCTCAATGGTAGACTGGCATCTGATAAAGGAGATGAAGCCGCCACAAGCCA
GGAAGAGTGGGAAGCAGAGTTCCAAAAGTACCAGCAATTTCCAGAATTTAAAATCCTGAACCATGACATG
ACGCTGGCGGAATTCAAGTTTATCTGGTACATGGAATACTCACACCGGATGTGGGGGCGAGCTGTAGGCC
TTGCATACATCCTGCCTGCTGCCTACTTTTGGAGAAAAGGGTTGGCTCAACCGTGGCATGAAAGGACGTGT
TCTCGCCCTCTGTGGCTTAGTCTGTTCCAGGGTCTGTTGGGTTGGTATATGGTGAAGTGGATTGGAA
GAAAAACCAGAGTCCATGACATCCCTCGGGTCAGTCAGTACCGCCTCGCAGCCACCTGGGGTCAGCAC
TGGTCTCTACTGTGCCAGTCTGTGGACCTCCCTGTCACTGCTACTGCCTCAGCACAAAGTACCAGAAAC
TCGGCAGCTCCTGTGGTTGAGACGGTTTGTGGTGGCACAGCAGGCTGGTGTTCCTCACGGCTCTCTCA
GGGGCTTTTGTGGCAGGGCTGGATGCTGGCCTCGTTTACAACCTCCTTCCCAAAATGGGAGAACTTGGAA
TCCAGAGGACCTCCTGACCTTCTCCCCTGTCCCTGAAGAATGTTTTGAGAATCCTACCATGGTTCAAGT
TGATCACAGGCTTCTGGGAGTCACTGTCTGCTACTGCCATTACAGTGTCTATTTCTGTCCCGGAGAATC
CCCCTTCTCGAAGAACCAAGATGGCAGCAGTACTCTGTAGCTTTGGCATATGCACAGGTGGCCCTGG
GCATTAGCACTCTGCTTATGTACGTCCCCACTCCGCTGGCTGCCACACACACACACACACACACCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206197 representing BC011509
 Red=Cloning site Green=Tags(s)

MQRLLPSLRALTGSRNVGLL VPRVASRTQCGSSCGSQRPLRPGQYSTITEVALQSGKGTVSLPSRAAER
 AVGRWLLVCSGTVAGAVILGGVTRLTESGLSMVDWHLIKEMKPPTSQEEWEAEFQKYQQFPEFKILNNDM
 TLAEFKFIWMEYSHRMWGRAVGLAYILPAAYFWRKRWLNRMKGRVLALCGLVCFQGLLGWYMKSGLE
 EKPESYDIPRVSYRLLAHLGSALVLYCASLWTSLSLLLPQHKLPETRQLLWLRRFAGGTAGLVFLTALS
 GAFVAGLDAGLVYNSFPKMGESWIPEDLLTFSPVLKNVFENPTMVQFDHRLLGVTSVTAITVLYFLSRRRI
 PLPRRTKMAAVTLLALAYAQVALGISTLLMYVPTPLAATHHTHTP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC011509

ORF Size: 1190 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

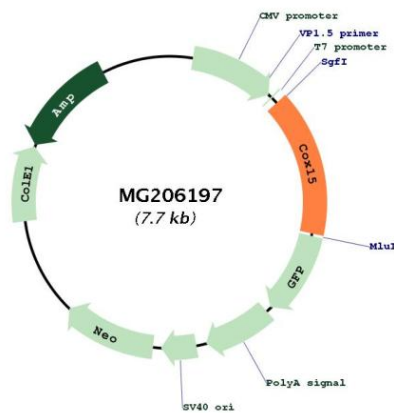
RefSeq ORF: 1190 bp

Locus ID: 226139

Cytogenetics: 19 C3

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

Product images:



Circular map for MG206197