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Product datasheet for MG200236

Cox19 (NM_197980) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox19 (NM_197980) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cox19
Synonyms:	1810074D02Rik; 2810437L13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200236 representing NM_197980
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGACCGCAATGAACTTCGGGACCAAAAGCTTCCAGCCGCGGCCCCCAGACAAAGGCAGCTTCCCGC
TGGACCACTTCGGTGAATGTAAAAGCTTTAAAGAAAAATTCATGAGGTGTCTCCGTGACAAGAACTATGA
AAATGCTTTGTGCAGAAATGAATCTAAAGAGTATTTAATGTGCAGGATGCAAAGGCAGCTGATGGCACCG
GAGCCGCTAGAGAAGCTCGGCTTTAGAGACCTAATGGAAGGGAAGCCAGAGGCAAAGGATGAATGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200236 representing NM_197980
Red=Cloning site Green=Tags(s)

MSTAMNFGTKSFQPRPPDKGSFPLDHFGECKSFKEKFMRCLRDKNYENALCRNESKEYLMCRMQRQLMAP
EPLEKLGFRDLMEGKPEAKDEC

TRTRPLE - GFP Tag -  V
```

Restriction Sites:	SgfI-MluI

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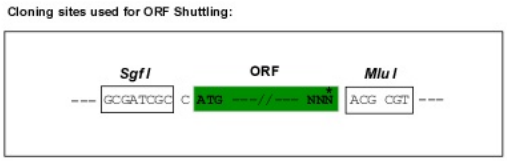
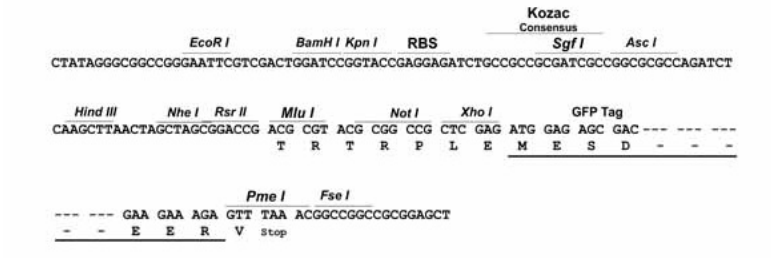
Cloning Scheme:





ACCN:	NM_197980
ORF Size:	276 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_197980.1, NP_932097.1
RefSeq Size:	778 bp

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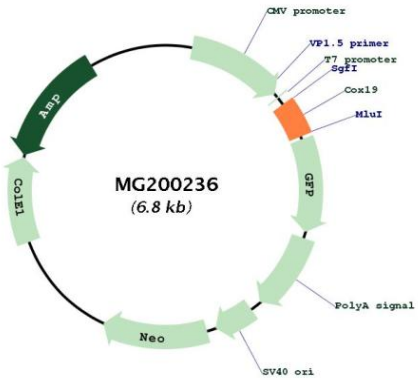
RefSeq ORF:	279 bp
Locus ID:	68033
UniProt ID:	Q8K0C8
Cytogenetics:	5 G2
Gene Summary:	Required for the transduction of an SCO1-dependent redox signal from the mitochondrion to ATP7A to regulate cellular copper homeostasis. May be required for the assembly of mitochondrial cytochrome c oxidase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200236

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