

Product datasheet for MG200127

Coa6 (NM_174987) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Coa6 (NM 174987) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Coa6

Synonyms: 1810063B05Rik; Al447995

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200127 representing NM_174987

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCAGCCCCTTCCATGAAGGAAAGGCAGGCATGCTGGGGTGCGCGCGACCTGTACTGGCGCTGCCTGGACGACACGCGGAGGACGCGGCCCGGTGCCAGAAGCTGAGGAGCTCGTTCGAGGCCAGCTGCCCCCAGCAGTGCGATAAAATATTTTGACAAAAGAAGAAGAAGACTACTTAAAATTCAAGGAAAAATTTTGAAGCAGGAGGATTC

CAGTCTTCACAGTCGACTGAAAATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200127 representing NM_174987

Red=Cloning site Green=Tags(s)

MAAPSMKERQACWGARDLYWRCLDDNAEDAARCQKLRSSFEASCPQQWIKYFDKRRDYLKFKEKFEAGGF

QSSQSTENS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



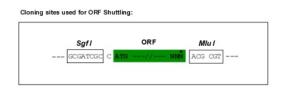
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

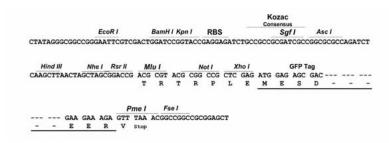
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

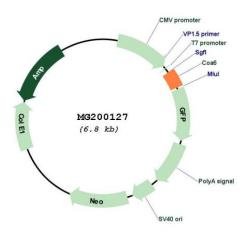


Cloning Scheme:





Plasmid Map:



ACCN: NM_174987

ORF Size: 237 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: <u>NM 174987.4</u>, <u>NP 778152.1</u>

 RefSeq Size:
 780 bp

 RefSeq ORF:
 240 bp

 Locus ID:
 67892

 UniProt ID:
 Q8BGD8

 Cytogenetics:
 8 E2

Gene Summary: Involved in the maturation of the mitochondrial respiratory chain complex IV subunit MT-

CO2/COX2. Thereby, may regulate early steps of complex IV assembly. Mitochondrial respiratory chain complex IV or cytochrome c oxidase is the component of the respiratory chain that catalyzes the transfer of electrons from intermembrane space cytochrome c to molecular oxygen in the matrix and as a consequence contributes to the proton gradient involved in mitochondrial ATP synthesis. May also be required for efficient formation of respiratory supercomplexes comprised of complexes III and IV.[UniProtKB/Swiss-Prot

Function]