

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; AI447995
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200127 representing NM_174987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGCCCCTCCATGAAGGAAAGGCAGGCATGCTGGGGTGC GCGCACCTGTACTGGCGCTGCCTGG
 ACGACAACGCGGAGGACGCGCCCGGTGCCAGAAGCTGAGGAGCTCGTTCGAGGCCAGCTGCCCCAGCA
 GTGGATAAAATATTTTGACAAAAGAAGAGACTACTTAAATTC AAGGAAAAATTTGAAGCAGGAGGATTC
 CAGTCTTCACAGTCGACTGAAAAATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200127 representing NM_174987
 Red=Cloning site Green=Tags(s)
 MAAPSMKERQACWGARDLYWRCLDDNAEDAARCQKLRSSFEASCPQQWIKYFDKRRDYLFKFEKFEAGGF
 QSSQSTENS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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_174987.4 , NP_778152.1
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]