

Product datasheet for **MG200392**

Coa3 (NM_026618) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Coa3 (NM_026618) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Coa3
Synonyms: 1810033A19Rik; Ccdc56; D11Ertd99e; HSPC009
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200392 representing NM_026618
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCCTGGAGCTGGTGACCCTCTGAATGCTAAGAATGGAATGCTCCATTCGCTCAGCGCATCG
ACCCGTCGCGGGAGAAATTGACCCAGCGCAGTTGCAGTTTATGCGGCAGGTGCAACTTGCCAGTGCCA
GAAAACACTGCCACAGCGCGGCCGGAACATCATGACCGCCCTGGGCATCGGGGCCCTGGTGTAGCT
ATTTATGGTTACACCTTCTACTCGGTGGCCCAAGAGCGTTTCTTGATGAGCTGGAAGATGAAGCCAAAG
CTGCCCGAGCCCGTCTTGTAGAGAGAGCGAGCTTCGGGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200392 representing NM_026618
Red=Cloning site Green=Tags(s)
MAAPGAGDPLNAKNGNAPFAQRIDPSREKLTPAQLQFMRQVQLAQWQKTLQRRTRNIMTGLGIGALVLA
IYGTYFYVAQERFLDELEDEAKAARARALERERASGP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

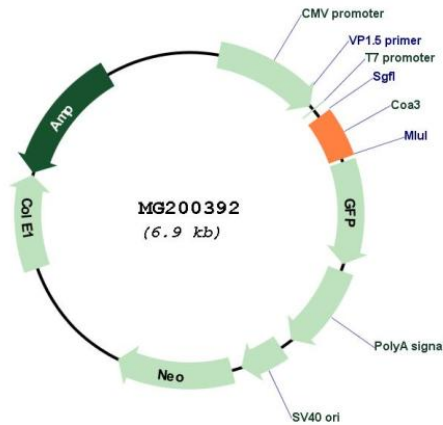


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Cloning Scheme:



Plasmid Map:



ACCN: NM_026618

ORF Size: 324 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:	<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:	<u>NM_026618.2</u>
RefSeq Size:	720 bp
RefSeq ORF:	327 bp
Locus ID:	52469
UniProt ID:	<u>Q9D2R6</u>
Cytogenetics:	11 64.56 cM
Gene Summary:	Core component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly. MITRAC complexes regulate both translation of mitochondrial encoded components and assembly of nuclear-encoded components imported in mitochondrion. Required for efficient translation of MT-CO1 and mitochondrial respiratory chain complex IV assembly. [UniProtKB/Swiss-Prot Function]