

Product datasheet for **MG207061**

Cox10 (NM_178379) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox10 (NM_178379) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cox10
Synonyms:	2410004F01Rik; AU042636
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207061 representing NM_178379 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCGTCCCCGCACACCAATTTCTCGCGCTCCTCACAGGCTCAGTAGGAGGATGTATCTGGTATT
TAGAGAGAAGAGCTATACAGGGATTGCCACACAGGGTCACACGTCTGTTCCAGGAATGTCAGTAATCAGTG
GGTCACGCTCCAGCACTTGAGCTTCTCAAGCGCATGTATGTCACACAGCTGCACAGGGGCTTAGCCAG
CGAGTCAAACAAAGCCAGAGCCACCGGCTCTCTTTCTTGAACACACGTCTTCAGGGCAGGCTAGAG
CGGACGAGGATGAGCTGCCGTCTTCCAGCACCCAGTCGGCCTCTGTCCCGAAGCCAAATGAGGAGTT
GGTGGAGCTGGAGCGACCTCCATAGTGGACCATTCCCTCGACACAGCCAAAGAGAAAAAGGAAGAAAGG
CAGTGGAAAGAGATGAACTTCACTGATGATCTGCCTGGCATTGTTGGCCAGGCTGTCCAAGATCAAAC
TCACAGCTCTTGTGGTAAGCACCCTTACGAGGCTTGGACTGGCTCCAGGCCCTTTCGACTGGTCCTG
CTTCTGCTTACATCCCTTGAACCGGCCCTCGCATCCTGTGCTGCCAACTCCATCAATCAGTTTTTTGAG
GTGCCGTTGACTCAAACATGAATAGAACAAAGAACAGGCCTCTGGTTCGAGGGCAGATAAGCCCATTGC
TAGCCGTGCTTTTGGCACCTGCTGTGCTGTGCCAGGAGTGGCCCTTCTGACCTGGGAGTGAATCCACT
CACAGGGGCTTGGGGTCTTCAACATTTCTGTATACCTGTTGTTACACACCACTGAAGAGGGTCAGC
ATCACCAATACCTGGGTTGGAGCCGTGGTGGAGCCATCCCTCCTGTATGGGCTGGACGGCCGCACTG
GAAGCCTTGATGCTGGAGCGCTTCTTCTGGGAGGATCCTGTACTCCTGGCAATCCCCCACTTCAATGC
CCTGAGCTGGGGCTCCGTGAAGACTACTCCCAGGAGGCTACTGTATGATGTCGGTCAACCATCCAGCC
CTCTGCCGGCGGGTGGCACTGCGCCACTGCCTGGCCCTGATTGCTCTGTGACTGCTGCCCGGCTCTGG
ACATCACCACTGGGCTTCCCTGTCACTCCCTCCCCATCAACCTGTACATTTCTACCTCGGCTTCCG
CTTCTACGTGGACGCAGACCGCAGGAGCTCAAGGAACTGTTCTTCTGCAGCCTGTGGCACCTGCCGCTG
CTCCTGCTGCTCATGCTCACCTGTAAGCAGCGGCCCGGAGGAGGGGACAAGGGAGAGGCTCCGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207061 representing NM_178379
 Red=Cloning site Green=Tags(s)

MAASPHTISSRLLTGSVGGCIWYLERRAIQGLPHRVTRLFRNVSNQWVTLQHL SFLKRMVYTLHRGLSQ
 RVKPKPEPPASPFL EHTSSGQARADEDELPSFPAPSRPLSRKPNEELVELEATSIVDHSLDTAKEKKEER
 QWKEMKLHTDDLPGILARLSKIKLTALVVSTTSAGFALAPGPFDWSCFLLTSLGTGLASCAANSINQFFE
 VPFDSNMNRTKNRPLVRGQISPLLAVSFATCCAVPGVALLTWGVNPLTGALGVFNIFLYTCCYTPLKRVS
 ITNTWVGAVVGAIPPVMGWTAATGSLDAGALLLGGILYSWQFPHFNALSWGLREDYSRGGYCMMSVTHPA
 LCRRVALRHCLALIALSTAAPVLDITTWVFPVISLPINLYISYLGFRFYVDARRSSRKLFFCSLWHLPL
 LLLLMLTCKQRPGQEGDKGEAPS

TRTRPLE - GFP Tag - V

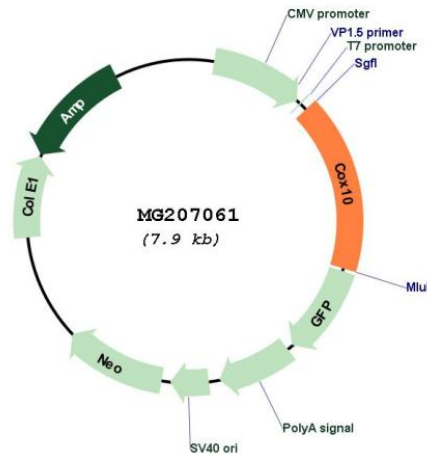
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_178379

ORF Size:	1329 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:	NM_178379.3
RefSeq Size:	1633 bp
RefSeq ORF:	1332 bp
Locus ID:	70383
UniProt ID:	Q8CFY5
Cytogenetics:	11 B3
Gene Summary:	Converts protoheme IX and farnesyl diphosphate to heme O.[UniProtKB/Swiss-Prot Function]