

## Product datasheet for **MG215416**

### **Cma2 (NM\_001024714) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cma2
Synonyms:	Mcp10
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215416 representing NM\_001024714  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGGCCCTACTATTCTGATGGCACTTCTCTTGCCTTCTAGGGCTGGAGCTGAGGAGATTATTGGTG  
GTGTTGAGTCTGAACCACACTCCCACCTTACATGGCCTATGTGAATACCTTCAGAAGGAAAAGTTATGT  
GGCAATCTGTGGTGGTTTTCTCATAACGCCCAATTTGTGATGACTGCTGCACACTGTAGTGAAGAAGA  
ATGACTGTCACTCTGGAGCTCATAATGTGAGAAAGAGAGAATGCACACAGCAGAAGATAAAAGTTGAAA  
AGTACATCTTGCCTCCAAATTACAATGTGTCTTCCAAGTTCAATGACATCGTATTACTGAAGCTTAAAAA  
GCAAGCTAACTTGACTTCTGCTGTGGATGTAGTCCCTGCCTGCCCTCTGACTTTGCCAAGCCTGGG  
ACGATGTGCTGGGCAGCTGGCTGGGGGCGAACTGGATTGAAAAAAGTATCTCACGTACCCTGAGAGAGG  
TAGAACTGAGAATCATGGGGAAAAAGCCTGTAAAATATTTAAGCATTACAAGGATAGCCTCCAGATCTG  
TGTGGGCAGTTCACAAAGGTGGCATCAGTATACATGGGAGACTCTGGAGGACCTCTACTGTGTGCTGGG  
GTGGCCCATGGTATTGTATCTTCTGGACGCGGAAATGCAAAGCCCCCTGCAATCTTACCCGAATCTCCC  
CACATGTGCCCTGGATTAACAGAGTCATAGAGGGCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG215416 representing NM\_001024714  
 Red=Cloning site Green=Tags(s)

MQALLFLMALLLPSRAGAEIIGGVESEPHSRPYMAYVNTFRRKGYVAICGGFLITPQFVMTAAHCSGRR  
 MTVTLGAHNVRKRECTQQKIKVEKYILPPNYNVSSKFNDIVLLKLLKQANLTSADVVPPLPAPSDFAKPG  
 TMCWAAGWRTGLKKSISRTLREVELRIMGKACKIFKHYKDSLQICVGSSTKVASVYMGDSGGPLLACAG  
 VAHGIVSSGRGNAPPAIFTRISPHVPWINRVIEGK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001024714

**ORF Size:** 738 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001024714.2](#), [NP\\_001019885.1](#)

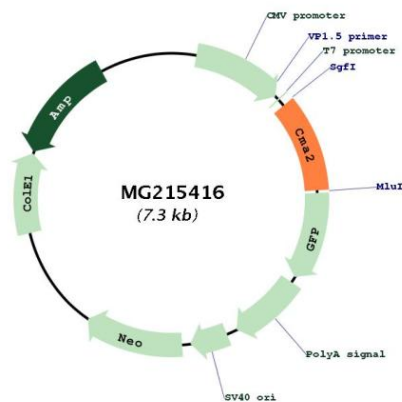
**RefSeq Size:** 947 bp

**RefSeq ORF:** 741 bp

**Locus ID:** 545055

**Cytogenetics:** 14 C3

### Product images:



Circular map for MG215416