

## Product datasheet for **MG203637**

### Clpp (NM\_017393) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clpp (NM\_017393) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Clpp  
**Synonyms:** AU019820; D17Wsu160e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203637 representing NM\_017393  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGCCAGAGTGCTGCTGGGGAGGCCCGGGTGGCTGTGGACGGATGTCGCGCTCTGTTGTCTCGCC  
 TTGCCGTGATTTCTCCCGCCATGGACTGCTGTGAGCTGCTCACCCCTGCGGAGGAGCCTGCATGGAAC  
 TCGGACGCGAGCTTTCCCGCTCATCCCCATAGTGGTGGAGCAGACGGGTCGAGGCGAGCGCCTTATGAC  
 ATATACTCGAGGCTGTTGCGGGAACGCATCGTGTGCGTCATGGGCCGATTGACGACAGTGTGGCCAGTC  
 TGGTCATTGCCAGCTGTTGTTCTTACAGTCTGAAAGCAACAAGAAGCCCATTCATATGTATATCAACAG  
 CCCAGGTGGTGTGGTAACTGCGGGCCTGGCCATCTACGACACAATGCAGTACATCCTGAACCCCATCTGC  
 ACGTGGTGTGTTGGACAGGCTGCCAGCATGGGCTCCCTGCTCCTCGCTGCTGGCAGCCCGGGCATGCGCC  
 ATTCAGTGCCTAATCCAGAATCATGATCCACCAGCCCTCTGGAGGAGCCAGGGGCAAGCCACAGACAT  
 CGCCATCCAGGCAGAGGAAATCATGAAGCTGAAAAAGCAGCTATACAACATCTACGCCAAACACACCAAG  
 CAGAGCCTACAGGTGATCGAGTCAGCAATGGAGAGGGACCGCTACATGAGCCCCATGGAGGCCAAAGAGT  
 TTGGCATCTTGGACAAGGTCTTGGTCCACCCACCTCAGGACGGGGAGGATGAGCCAGAAGTGGTACAGAA  
 GGAGACTGCCACAGCGCCGACGGATCCTCCTGCCCGACAAGCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203637 representing NM\_017393  
 Red=Cloning site Green=Tags(s)

MWPRVLLGEARVAVDGCRALLSRLAVHFSPPWTAVSCSPLRRLHGTATRAFPLIPIVVEQTGRGERAYD  
 IYSRLLRERIVCVMGPIDDSVASLVIAQLLFLQSESNKKPIHMYINSPGGVVTAGLAIYDTMQYILNPIC  
 TWCYVQAASMGSLLLAAGSPGMRHSLPNSRIMIHQPSSGGARGQATDIAIQAEIIMKLLKQLYNIYAKHTK  
 QSLQVIESAMERDRYMSPMEAQEFGILDKVLVHPPQDGEPELVQKETATAPTDPPAPTST

TRTRPLE - GFP Tag - V

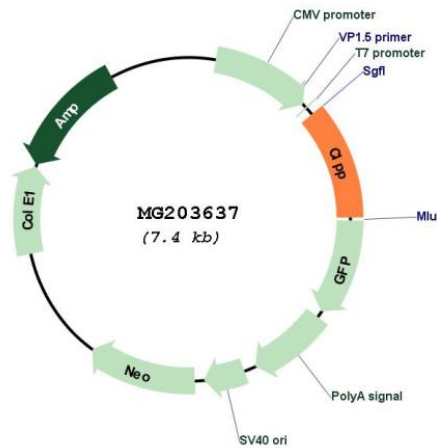
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_017393

**ORF Size:** 816 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017393.2</a>
<b>RefSeq Size:</b>	990 bp
<b>RefSeq ORF:</b>	819 bp
<b>Locus ID:</b>	53895
<b>UniProt ID:</b>	<a href="#">O88696</a>
<b>Cytogenetics:</b>	17 29.61 cM
<b>Gene Summary:</b>	Protease component of the Clp complex that cleaves peptides and various proteins in an ATP-dependent process. Has low peptidase activity in the absence of CLPX. The Clp complex can degrade CSN1S1, CSN2 and CSN3, as well as synthetic peptides (in vitro) and may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates (By similarity).[UniProtKB/Swiss-Prot Function]