

## Product datasheet for **MG214343**

### Cts3 (NM\_026906) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cts3
Synonyms:	1600000I23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214343 representing NM\_026906  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACTCCTGCTGTCTTCTGGCCATCTTGTGGTTGGTAATGGCCTCATCATCACCATCACCTGATCCCA  
TTTTGGATGCTGAATGGCAGAAAGTGGAAAATAAAATATGAAAAACATACAGTCTGGAGGAAGAAGGACA  
GAAGAGAGCAGTATGGGAAGAAAATATGAAAAGATCAAATGCACAATGGGGAGAATGGCCTGGGGAAG  
CATGGTTTCACCATGGAAATGAATGCCTTTGGTGACATGACACTTGAAGAATTCAGGAAAGAGATGATTG  
AAATCCCAGTCCCAACTGTCAAGAAAGGGAAAAGTGTCCAGAAACGTCTGTCTGTAACTGCCCAAGTT  
TATAAACTGGAAAAGAGAGGCTATGTTACTCCTGTGCGGACACAGATTGCATGTAATTCCTGTTGGGCT  
ATTTCTGTTACTGGTGCCATAGAAGGACAGATGTTCCGAAAACAGGCCAACTGATCCCTCTGAGTGTAC  
AGAACCTAGTGGACTGTGTTGACGGAAGTGGCTGTCATGCAGGCAGTGTGTTAGATTCTTTAAGTATTT  
GATGGAAAAGGGAGGTCTAGAGTCTGAGGCAACCTATCCATATGAAGACAAGCAAGGATCATGCAGGTAC  
AATCCAGAGAATCTACTGCTAGTATCACAGGCTTTGAGTTTATCCCAAACAATGAGGTTGACCTAATGA  
GTGCTGTGGCAAGTCTTGGGCCATTTCTGTTGTAATCGATGCATGGCATGAATCTTTCCTGTTCTATAA  
AAGAGGTATATATGAGCCAAACTGCAATAACAGTTTATTTGCTCTCAGACATGCTGTGCTACTGGTT  
GGCTATGGTTTTATAGGAAGAGAATCAGAAGGCAGGAAATACTGGATCATCAAGAACAGCCTGGGTACAA  
AATGGGGCTATAAAGGCTATATGAAGATTGCCAAAGACCAGGGAAACCACTGTGGAATTGCTTCACTTCC  
CGTTTTCCCGAGAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG214343 representing NM\_026906  
 Red=Cloning site Green=Tags(s)

MTPAVFLAILWLVMASSPSPDPILDAEWQKWKIKYKGTYSLEEEGQKRAVWEENMKKIKLHNGENGLGK  
 HGFTMEMNAFGDMTLEEFRKEMIEIPVPTVKKGKSVQKRLSVNLPKFINWKKRGYVTPVRTQIACNSCWA  
 ISVTGAIIEGQMFRTGQLIPLSVQNLVDCVDGSGCHAGSVLDSFKYLMEKGGLESEATYPYEDKQGSCRY  
 NPENSTASITGFEFIPNNEVDLMSAVASLGPISVVIDAWHESFLFYKRGIIYEPNCNNSLFLRHAVLLV  
 YGFGIGRESEGRKYWIKNLSLGTKWGYKGYMKIAKDQGNHCGIASLPPVFPV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_026906

**ORF Size:** 996 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\\_026906.3](#), [NP\\_081182.2](#)

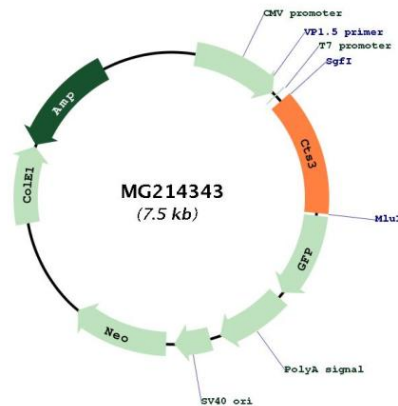
**RefSeq Size:** 1395 bp

**RefSeq ORF:** 999 bp

**Locus ID:** 117066

**Cytogenetics:** 13 B2

**Product images:**



Circular map for MG214343