

## Product datasheet for **RR204937**

### Ctsa (NM\_001011959) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ctsa (NM_001011959) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctsa
Synonyms:	Ppqb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR204937 representing NM\_001011959  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTTCCAGTCCAAGGCGGCTCCAGGAGAGCAAGGACACAAGGAAGCAGAGATGCCCCGAGCAGCAC  
 TGCTCCTACTGCTCCTGCTGCTCCTATCCTGGGCGTCCCGGACGAAGCAGCTCCGGACCAGGATGA  
 AATCGATTGCCTCCCGGGCTGGCCAAGCAGCCCTCTTCCGGCAGTACTCCGGTATCTCAAAGCATCG  
 GATTCCAAGCACTTCCACTACTGGTTTGTGGAATCGCAGAACGACCCTAAGAACAGCCCCGTGGTCTTT  
 GGCTCAATGGGGTCTGGCTGCAGCTCCCTAGATGGTTACTTACAGAGCAGGTCCCTTCTGATCCA  
 GCCAGATGGTGTACCCTGGAGTACAACCCTATTCTTGGAACTGATTGCCAACATGCTGTATATCGAG  
 TCCCCAGCTGGGTGGGCTTCTCTACTCGGATGACAAGATGTATGTACCAATGACACAGAGGTGGCTG  
 AGAACAAATATCAAGCCCTAAAGACTTCTACCACCTCTTCCGGAGTACAAGGACAACAACTTTCTCT  
 GACCGGAGAGAGCTATGTGGCATCTACATCCCCACCTTGGCTGTACTGGTCATGCAGGATCCCAGCATG  
 AACCTTACAGGGGCTGGCTGTGGCAATGGACTCTCCTCCTATGAGCAGAAATGACAACCTCCCTGGTCTACT  
 TTGGCTACTACCATGGTCTTCTGGGGAACAGGCTTTGGACTTCACTCCAGACCCACTGCTGTTCTCAGAA  
 CAAGTGTAACTTCTATGACAACAAAGATCCAGATTGTGTAACAATCTCCAGGAAGTGTCTCGAATTGTG  
 GGCAAACTGGCCTCAACATATACAATCTCTACGCCCCGTGTGCTGGTGGGGTACCCGGCCGTGATAGGT  
 CTGAGGACACACTTGTAGTCCAGGATTTGGCAATATCTTCACTCGCTTGGCACTCAAGAGGAGATTTCC  
 TGAGGCTCTACTGCTTCGGTCTGGGACAAGGTACGCTTGGATCCTCCATGCACCAACACCACAGCCCC  
 TCCACCTACCTCAACAACCCATATGTTCCGAAGGCTCTCCACATCCCGGAGTCTGCTGCCCGCTGGGACA  
 TGTGCAACCTCATGGTGAACCTACAGTACCGCCGCTCTACGAAAGCATGAACTCCCACTACCTGAAGT  
 GCTCAGCTCACAGAAATACCAGATCCTGCTTACAATGGCGATGTGGACATGGCCTGCAACTTCTATGGGG  
 GATGAGTGGTTTGTGGATTCCCTCAACCAGAAGATGGAGTGCAGCGCCGGCCCTGGCTAGTGGACTACG  
 GGGAGAGTGGAGAGCAGGTAGCTGGCTTTGTGAAGGAATGCTCACACATTACCTTCTCACCATCAAGGG  
 TGCCGGACACATGGTCCCACGGACAAGCCTCGAGCTGCTTTTACCATGTTCTCTCGATTCTGAACAAG  
 GAGCCTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR204937 representing NM\_001011959  
 Red=Cloning site Green=Tags(s)

MTSSPKAAPGEQGHKEAEMPRAALSPLLLLLLSWASRDEAAPDQDEIDCLPGLAKQPSFRQYSYLKAS  
 DSKHFHYWFVESQNDPKNSPVVLWLNNGPGCSSLDGLL TEHGPFLLIQPDGVTLEYNPYSWNLIANMLYIE  
 SPAGVGFSSYDDKMYVTNDTEVAENNYQALKDFYHLFPEYKDNKFLTGESYAGIYIPTLAVLVMQDPSM  
 NLQGLAVGNLSSYEQNDNSLVYFAYYHGLLGNRLWTSLQTHCCSQNKCNFYDNKDPDCVNNLQEVSRIV  
 GKSGLNIYNLYAPCAGGVPRDRSEDTLVVQDFGNIFTRLPLKRRFPEALLLRSGDKVRLDPPCTNNTTAP  
 STYLNPNYVRKALHIPESLPRWDMCNLMVNLQYRRLYESMNSQYLKLLSSQKYQILLYNGDVMACNFMG  
 DEWVFDLSLNQKMEVQRRPWLVDYGESGEQVAGFVKECSHITFLTIKGAGHMVPTDKPRAAFMTFSRFLNK  
 EPY

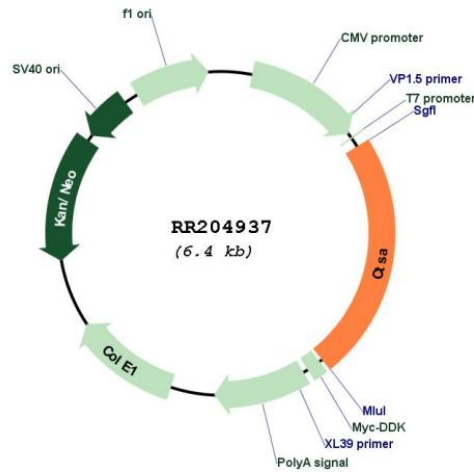
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



Plasmid Map:



ACCN: NM\_001011959

ORF Size: 1479 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.

**RefSeq:** [NM\\_001011959.2](#), [NP\\_001011959.2](#)

**RefSeq Size:** 1988 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 296370

**Cytogenetics:** 3q42

**MW:** 55.8 kDa