

## Product datasheet for RN205696

### Ctrb1 (NM\_012536) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctrb1 (NM\_012536) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ctrb1  
**Synonyms:** Ctrb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205696 representing NM\_012536  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCATTCTTTGGCTCGTGTCTGCTTTGCCCTTGTTGGGGCCACCTTTGGCTGTGGAGTCCCTACCA  
TCCAACCCGTGCTGACTGGCCTGTCCAGGATCGTCAACGGAGAGGATGCTATTCCCGCTCCTGGCCCTG  
GCAGGTGTCGCTGCAGGATAAACTGGCTTCCATTCTGCGGGGGCTCCCTCATCAGCGAGGACTGGGTG  
GTCAGTGTGCCACTGCGGGGTCAAGACCTCCGACGTGGTGGTAGCTGGAGAGTTTGACCAGGGCTCCG  
ACGAAGAGAACATCCAGGTCTGAAGATCGCACAGGTCTTTAAGAACCCCAAGTTCAATATGTTCACTGT  
GCGCAATGACATCACTCTGCTGAAGCTGGCCACTCCTGCCAGTTCTCTGAGACTGTGTCTGCCGTGTGT  
CTACCCAACGTCGATGATGACTTCCCTCCTGGCACTGTGTGCGCCACCACTGGCTGGGGCAAGACCAAT  
ACAATGCCCTCAAGACCCTGAGAAGCTGCAGCAGGCCGCCCTGCCATCGTGTCCGAGGCTGACTGCAA  
GAAGTCTGGGGTTCCAAGATCACCGATGTGATGACCTGCGCAGGCGCTAGCGGCGTCTCTTCTGCATG  
GGTGACTCCGGTGGCCCCCTCGTCTGCCAGAAAGATGGAGTCTGGACCCTGGCAGGCATTGTGTCTGGG  
GCAGTGGCGTCTGTTCCACTTCCACTCCTGCTGTGTATTCCCAGTACACAGCCCTCATGCCCTGGGTTCA  
GCAGATCTTGAAGCCAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012536  
**Insert Size:** 792 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_012536.1](#), [NP\\_036668.1](#)

**RefSeq Size:** 792 bp

**RefSeq ORF:** 792 bp

**Locus ID:** 24291

**UniProt ID:** [P07338](#)

**Cytogenetics:** 19q12

**Gene Summary:** putative chymotrypsin protease [RGD, Feb 2006]