

## Product datasheet for **MC203284**

### Agtrap (NM\_009642) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Agtrap (NM\_009642) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Agtrap  
**Synonyms:** 3300002E14Rik; AT1R; Atrap; D4Wsu124e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC057196  
GCTCAGGTGCCCTCCGCCGGTCCGGATGGAGCTGCCTGCCGTGAACCTGAAGGTTATTCTCCTGGTTCA  
CTGGCTGTTGACAACCTGGGGCTGCTTGGTGTCTCAAGCTCCTATGCTTGGGGCAACTCACTATCCTG  
GCCTGGGTGTGTGGCTGTGGCCAGCGGACTCTATAGATGCCATAGGCATGTTTCTTGGTGGCTTGG  
TTGCCACCATCTTCTGGACATTATCTACATTAGCATCTTCTACTCGAGTGTGCCACTGGGGACTGG  
CCGCTTCGGCGCCGGCATGGCCATCCTCAGCTTGTGCTGAAGCCCTTCTTGTGCTCGTCTACCCAC  
ATGCACCGTGAACGAGGGGTGAGCTCCCCCTCCGCCGATTCTTCGGACCCTCTCAGGAGCACAGTG  
CCTACCAGACAATTGACTCATCATCAGACGCTGCTGCAGACCCCTTTCGAAGCCTGGAGAACAAGGGCCA  
AGCTGCCCCCGGGGTACTGAAGCTGTCCCTGGTCGTCCTGGTCCCCAGCAGGATTCTTGTCAAACCT  
TCTTTACCTGGACCTACAGTGGGCATCCGCCATTCCCTATCACAGAGGTGGCCTGAGTCATGTGCCCTT  
GGAGGTCAAGAGCCTCTAGCTTCTCAGCGGAGAAGAGCCAGTCCTAATTCTCCAGGCTACCCCTCCCTT  
CAAGACACCTGTTAACCCCTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_009642

**Insert Size:** 486 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).



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**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:** [BC057196](#), [AAH57196](#)

**RefSeq Size:** 738 bp

**RefSeq ORF:** 486 bp

**Locus ID:** 11610

**UniProt ID:** [Q9WVK0](#)

**Cytogenetics:** 4 78.67 cM

**Gene Summary:** Appears to be a negative regulator of type-1 angiotensin II receptor-mediated signaling by regulating receptor internalisation as well as mechanism of receptor desensitization such as phosphorylation. Induces also a decrease in angiotensin II-stimulated transcriptional activity. May play a role of negative regulator in cardiomyocyte hypertrophy induced by angiotensin II through an inhibition of p38 mitogen-activated protein kinase pathway.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).