

## Product datasheet for **RN206078**

### Agtrap (NM\_001007654) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Agtrap (NM\_001007654) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Agtrap  
**Synonyms:** MGC95145  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206078 representing NM\_001007654  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGCTGCCTGCCGTGAAGTTAAGGTTATTCTCCTGGTTCCTGGCTGTTGACAACCTGGGGCTGCT  
 TGGCGTTCTCAGGCTCCTATGCTTGGGGCAACTCACTATCCTGGCCCTGGGTGTGTGGGCTGTGCCCA  
 GCGGGACTCTGTTGATGCCATTGGCATGTTTCTTGGTGGCTTGGTTGCCACCATCTTCTGGACATTATC  
 TACATTAGCATCTTCTACTCAAGCGTTGCCGTTGGGGACTGGCCGCTTCAAGTCCGGCATGGCCATCT  
 TCAGCTTGCTGCTGAAGCCCTTCTCCTGCTGCCTCGTCTACCACATGCACCGGGAGCGAGGGGTGAGCT  
 CCCGCTCCGCTCGGATTTCTTCGGACCTTCTCAGGAACATAGTGCCTACCAGACAATTGACTCGTCAGAC  
 TCACCTGCAGACCCCTTGAAGCCTGGAGAACAAGGGCCAAGCTGCCCCCGGGGTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001007654  
**Insert Size:** 483 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).



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<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>	<u><a href="#">NM_001007654.1</a></u> , <u><a href="#">NP_001007655.1</a></u>
<b>RefSeq Size:</b>	2179 bp
<b>RefSeq ORF:</b>	483 bp
<b>Locus ID:</b>	298646
<b>UniProt ID:</b>	<u><a href="#">Q642A2</a></u>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	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. May play a role of negative regulator in cardiomyocyte hypertrophy induced by angiotensin II through an inhibition of p38 mitogen-activated protein kinase pathway. Attenuates type-1 angiotensin II receptor growth promoting effect and angiotensin II-induced phosphorylation of protein kinase AKT and of STAT3.[UniProtKB/Swiss-Prot Function]