

Product datasheet for **MC225653**

Agtrap (NM_001301281) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agtrap (NM_001301281) Mouse Untagged Clone
Tag: Tag Free
Symbol: Agtrap
Synonyms: 3300002E14Rik; AT1R; Atrap; D4Wsu124e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225653 representing NM_001301281
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCTTGGTGGCTTGGTTGCCACCATCTTCTGGACATTATCTACATTAGCATCTTCTACTCGAGTG
TTGCCACTGGGGACTGGCCGCTTCGGCGCCGGCATGGCCATCCTCAGCTTGCTGCTGAAGCCCTTCTC
TTGCTGCCTCGTCTACCACATGCACCGTGAACGAGGGGGTGAGCTCCCCCTCCGCCGATTCTTCGGA
CCCTCTCAGGAGCACAGTGCCTACCAGACAATTGACTCATCATCAGACGCTGCTGCAGACCCCTTGC
AAACGCTGGAGAACAAGGGCCAAGCTGTCCCCGGGGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001301281

Insert Size: 321 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



[View online »](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001301281.1, NP_001288210.1</u>
RefSeq Size:	3982 bp
RefSeq ORF:	321 bp
Locus ID:	11610
Cytogenetics:	4 78.67 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR that causes translation initiation at a downstream start codon compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from genomic sequence data because no single transcript from the reference strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>