

Product datasheet for **MC201798**

Agtr1a (NM_177322) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agtr1a (NM_177322) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agtr1a
Synonyms:	1810074K20Rik; AG2S; Agtr-1a; Agtr1; AI551199; Angtr-1a; AT1; AT1a; AT2R1; AT2R1A
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC036175 sequence for NM_177322
 GGACTGGATGATGCTGTCTGGCCGAGAGGACTCGAGGCTTGAGTCTGGTCCACGGGTCGCTGGGGTGG
 GTCGCTGGGGTGGCTGAAGCCAGTACCAGCTCTGCGGCTCTCCAGCTCTGCTGCTCTCCCGACTTAAC
 ATATGAAAGATTGGTATAAAATGGCTGGCATTGTTGCTGGATAACTCACAGCAACCCTCCAAGAAAGCCA
 TCACCAGATCAAGTGCATTTTGAACAGTGTCTGAGACCACTCAACCCAGAAAAGCAAAATGGCCCTTAA
 CTCTTCTACTGAAGATGGCATCAAAAGAATTCAAGATGACTGCCCCAGGGCTGGCAGGCACAGTTACATA
 TTTGTCATGATCCCTACTCTCTACAGCATCATCTTTGTTGGTGGGAATTTTGAAAACAGCTTGGTGGTGA
 TGGTCATCTACTTTTACATGAAGCTGAAGACTGTGGCCAGTGTCTTTCTCTAAATCTCGCCCTGGCTGA
 CTTATGCTTTTTGCTGACTTTGCCCTGTGGGCTGTCTATAACCGTATGGAATACCGCTGGCCCTTCGGC
 AATCACCTATGTAAGATCGCTTCGGCCAGCGTCAGTTTCAACCTCTACGCCAGCGTGTTCCTGCTCACGT
 GTCTCAGCATCGATCGCTACCTGGCCATTGTCCACCCGATGAAGTCTCGCCTCCGCCGACGATGCTGGT
 GGCCAAAGTCACCTGCATCATCTGGCTGATGGCTGGCTTGGCCAGTTTGGCAGCCGTCATCCACCGA
 AATGTGTATTTTCATTGAGAACACCAATATCACTGTTTGCCTTTTTCATTACGAGTCCCGGAATTCACGC
 TCCCCATAGGACTGGGCCTAACCAAGAATCCTGGGCTTCTGTCCCTTTCTAATCATTCTTACCAG
 CTATACTTTATATGAAAGCTCTAAAGAAGGCTTATGAAATTCAGAAGAACAAGCCAAGAAATGATGAC
 ATCTTTAGGATAATTATGGCGATTGTGCTTTTCTTCTTCTCTCCTGGGTCACCAATATTACAT
 TCCTGGATGTGCTGATTAGCTGGGCGTCATCCATGACTGTAATAATTGCCGACATCGTGGACACTGCCAT
 GCCCATAACTATGTCATAGCGTATTTTAACTGCCTGAACCCCTGTGTTTACGGCTTTCTGGGGAAA
 AAATTTAAAAAGTATTTCTCCAGCTCCTGAAATATATCCCCCAAAGGCCAAGTCGCACTCAAGCCTGT
 CTACGAAAATGAGCAGCTCTCTACCGCCCTCAGATAACATGAGCTCAGCCGCCAAAAAGCCTGCGTC
 TTGTTCTGAGGTGGAGTGACAGGTTCAAAGCTTGTGGCAATGTAATGCCCTGACAGAAACCAGGGCAGC
 ATCGGACTAAATGGCTCACGACCAAGGACCAGTCCCCCCCCCTCAGGATCTAAGCAGAAAATGCGT
 TCAACAGACTGTAGATATTGCTGAAGCTCTGAGAGAAAGCTTTGAAGAAGTAATTATGCAAAGCTGTCT
 TACATTAATAGATGATGGCTGCCCAAGGACAAGTCAGGAGCTGGATGGATTTGTGGGTTTAAAAAGGTT
 TGCTGGCAGACACGCAATCGCAGCGTCTCCTTTTGATTTCCACACATAGGTATGTAGCATGTGCTAAAT
 ATTTAGACAAGAAAACAAGAAATGGAAGTCGAGGTTACTTGTCTGCTCAGTTCCCCAAGGGCAAGGAACC
 TTGTTTGTCCCTTAGTCATTAGCAATGGAGACCCACGTGTCCCTGTTACTACACATACTTTGAAAAGAT
 CTGCTAACCTGGAGTCATCAAGTTTCAGGAGCCCTTTGTAATAATCAGCCAGTGTCTTAGAAACCTGTAC
 TGTCACCAACAATGCCAGTTAGTGGTGTATTTATGTAGCAGTGAAGCAAAGTTACACATCAAAGTTGC
 ACTGCTTGTACCAACCGTACATAGTAGGTATATCAGCTTTAGTTCACATCTGAGAAACATAAACAGTGC
 GTGGTGAATAGACTACATATCATACAATCTGCCTTGTCTCTAAAAGTATATATCTCCACATATATGTA
 CATATGTATCTTAAGCTGTCAATTTGATGAAGTTTTGGCAATGTATGTTACCTCTAAATAAAGTAATTT
 TATTGTAACGTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_177322
Insert Size: 1080 bp

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 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: [BC036175](#), [AAH36175](#)

RefSeq Size: 2198 bp

RefSeq ORF: 1080 bp

Locus ID: 11607

UniProt ID: [P29754](#)

Cytogenetics: 13 13.19 cM

Gene Summary: Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]