

## Product datasheet for **MG205480**

### Agtr1a (NM\_177322) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agtr1a (NM_177322) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agtr1a
Synonyms:	1810074K20Rik; AG2S; Agtr-1a; Agtr1; AI551199; Angtr-1a; AT1; AT1a; AT2R1; AT2R1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205480 representing NM_177322 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTTAACCTCTTCTACTGAAGATGGCATCAAAGAATTCAAGATGACTGCCCCAGGGCTGGCAGGC  
ACAGTTACATATTTGTCATGATCCCTACTCTCTACAGCATCATCTTTGTGGTGGGAATATTTGGAAACAG  
CTTGGTGGTGATCGTCATCTACTTTTACATGAAGCTGAAGACTGTGGCCAGTGTCTTTCTCTAAATCTC  
GCCCTGGCTGACTTATGCTTTTTGCTGACTTTGCCCTGTGGCTGTCTATACCGCTATGGAATACCGCT  
GGCCCTTCGGCAATCACCTATGTAAGATCGCTTCGGCCAGCGTCAGTTTCAACCTCTACGCCAGCGTGT  
CCTGCTCAGTGTCTCAGCATCGATCGTACCTGGCCATTGTCCACCCGATGAAGTCTCGCTCCGCCGC  
ACGATGCTGGTGGCCAAAGTCACCTGCATCATCTGGCTGATGGCTGGCTGGCCAGTTTGCCAGCCG  
TCATCCACCGAAATGTGTATTTCAATGAGAACCAATATCACTGTTTGCCTTTTCAATACGAGTCCCG  
GAATTCACGCTCCCATAGGACTGGGCCTAACCAAGAACATCCTGGGCTTCTGTTCCCTTTCTAATC  
ATTCTTACCAGCTATACTCTTATATGAAAGCTCTAAAGAAGGCTTATGAAATTCAGAAGAACAAGCCAA  
GAAATGATGACATCTTTAGGATAATTATGGCGATTGTGCTTTTCTTCTTCTCTCTGGTCCCCACCA  
AATATTCACATTCCTGGATGTGCTGATTCAGCTGGGCGTCATCCATGACTGTAATAATGCGGACATCGT  
GACACTGCCATGCCATAACCATCTGCATAGCGTATTTTAACTGCCTGAACCCTCTGTTTTACGGCT  
TTCTGGGAAAAAATTTAAAAAGTATTTTCCAGCTCCTGAAATATATTTCCCCAAAGGCCAAGTCGCA  
CTCAAGCCTGTCTACGAAATGAGCAGCTCTCTACCGCCCTCAGATAACATGAGCTCAGCCGCCAAA  
AAGCTGCGTCTTGTCTGAGGTGGAG

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205480 representing NM\_177322  
 Red=Cloning site Green=Tags(s)

MALNSSTEDGIKRIQDDCPRAGRHSYIFVMIPTLYSIIIFVVGIFGNSLVVIVIIYFYMKLKTVASVFLNL  
 ALADLCFLLTLPLWAVYTAMEYRWPFGNHLCKIASASVSFNLYASVFLLTCLSIDRYLAIVHPMKSRLRR  
 TMLVAKVTCIIIWLMAGLASLPAVIHRNVYFIENTNITVCAFHYESRNSTLPIGLLTKNILGFLFPFLI  
 ILTSTYTLIWKALKKAYEIQKNKPRNDDIFRIIMAIVLFFFSSWVPHQIFFLDVLQLGVIHDCKIADIV  
 DTAMPITICIAFYNNCLNPLFYGFLGKKFKKYFLQLLKYIPPKAKSHSSLSTKMSTLSYRPSDNMSSAAK  
 KPASCSEVE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_177322

**ORF Size:** 1077 bp

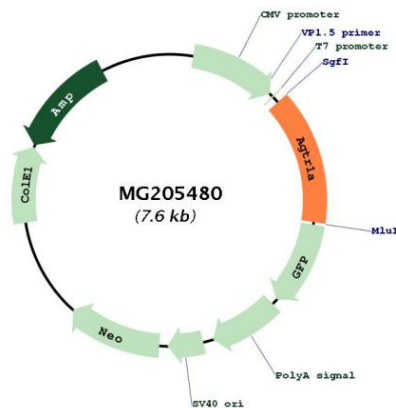
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_177322.3</a> , <a href="#">NP_796296.1</a>
<b>RefSeq Size:</b>	2284 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	11607
<b>UniProt ID:</b>	<a href="#">P29754</a>
<b>Cytogenetics:</b>	13 13.19 cM
<b>Gene Summary:</b>	Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG205480