

## Product datasheet for **MR205572**

### Agtr2 (NM\_007429) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agtr2 (NM_007429) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agtr2
Synonyms:	AI316812; AW107640
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR205572 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGGACAACCTCAGTTTTGCTGCCACCAGCAGAAACATTACCAGCAGCCGTCCTTTTGATAATCTCA  
ACGCAACTGGCACCAATGAGTCCGCCTTAATTGCTCACACAAACCATCAGATAAGCATTGGAAGCAAT  
TCCTGTTCTACTACATGATTTTTGTGATTGGGTTTGTGTTAATATTGTTGGTCTCACTGTTTTGT  
TGTCAAAAGGGCCCTAAAAGGTGTCCAGCATTACATCTCAATCTGGCCTGGCTGACTACTCCTTT  
TGGCTACCTCCCTCTCTGGCAACCTATTACTCTTAGATATGATTGGCTTTTGGACCTGTGATGTG  
CAAAGTGTGGTTCTTTCTGACTCTGAACATGTTTGAAGCATTTTTTTATTACCTGCATGAGTGTC  
GATAGGTACCAATCGGTCATCTACCCTTTCTGTCTCAAAGAAGGAATCCCTGGCAAGCATCTTATGTAG  
TTCCCCTGTTTGGTGTATGGCTTGTCTATCCTCATTGCCAACATTTTATTTCCGGGATGTCAGAACCAT  
TGAATACTTAGGTGTGAATGCTTGTATTATGGCTTTCCACCCGAGAAATATGCTCAGTGGTCTGCTGGG  
ATTGCCTTAATGAAAAATATTCTTGGCTTTATTATTCTTTAATATTATCATAGCAACGTGTACTTTGGAA  
TCAGAAAACATCTGCTGAAGACTAATAGCTATGGGAAGAACAAGAAATACCCGTGACCAAGCTCTGAAGAT  
GGCAGCTGCTGTTGTGGCATTATCATTTGCTGGCTTCCCTCCATGTTCTGACCTTCTGGATGCT  
CTGACCTGGATGGGTATCATTAATAGCTGTGAAGTTATAGCAGTCATTGACCTGGCACTTCTTTTGCCA  
TCCTCCTGGGATTCACCAACAGCTGTGTTAATCCCTTCTGTATTGTTTTGTTGAAACCCTTCCAACA  
GAAGCTCCGAGTGTGTTAGAGTTCCCATTAATTGGCTCCAAGGCAAGAGAGACTATGTCTTGAGAG  
AAAGGCAGTTCTTTAGAGAAATGGACACCTTTGTGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR205572 protein sequence  
 Red=Cloning site Green=Tags(s)

MKDNFSAATSRNITSSRPFDNLNATGTNESAFNC SHKPSDKHLEAIPVLYYMIFVIGFAVNIIVVSLFC  
 CQKGPVKVSSIIYIFNLALADLLLATLPLWATYYSRYDWLFGPVMCKVFGSFLTLNMFASIFFITCMSV  
 DRYQSVIYPFLSQRNPWQASYVPLVWCMACLSSLPTFYFRDVRTIEYLGVNACIMAFPPEKYAQSAG  
 IALMKNILGFIIPLIIFIATCYFGIRKHLKLTNSYGNRITRDQVLKMAAAVVLAFIICWLPFHVLTF LDA  
 LTWNGIINSCEVIAVIDLALPFAILLGFTNSCVNPFYCFVGNRFQQLRSVFRVPITWLQKRETMSCR  
 KGSSLRMDTFVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

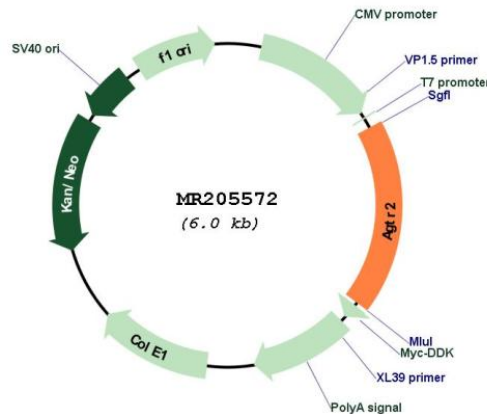
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_007429

<b>ORF Size:</b>	1092 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	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>RefSeq:</b>	<a href="#">NM_007429.5</a> , <a href="#">NP_031455.1</a>
<b>RefSeq Size:</b>	2872 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	11609
<b>UniProt ID:</b>	<a href="#">P35374</a>
<b>Cytogenetics:</b>	X 16.71 cM
<b>MW:</b>	41.4 kDa
<b>Gene Summary:</b>	Receptor for angiotensin II. Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation.[UniProtKB/Swiss-Prot Function]