

Product datasheet for **MG205572**

Agtr2 (NM_007429) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agtr2 (NM_007429) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agtr2
Synonyms:	AI316812; AW107640
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205572 representing NM_007429 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGACAACCTCAGTTTTGCTGCCACCAGCAGAAACATTACCAGCAGCCGCTCTTTTGATAATCTCA
ACGCAACTGGCACCAATGAGTCCGCCTTAATTGCTCACACAAACCATCAGATAAGCATTGGAAGCAAT
TCCTGTTCTACTACATGATTTTTGTGATTGGGTTTGTGTTAATATTGTTGGTCTCACTGTTTTGT
TGTCAAAAGGGCCCTAAAAGGTGTCCAGCATTACATCTCAATCTGGCCTGGCTGACTACTCCTTT
TGGCTACCCTCCCTCTCTGGCAACCTATTACTCTTATAGATATGATTGGCTTTTTGGACCTGTGATGTG
CAAAGTGTGGTTCTTTCTGACTCTGAACATGTTGCAAGCATTTTTTTTATTACCTGCATGAGTGTG
GATAGGTACCAATCGGTCATCTACCCTTTCTGTCTCAAAGAAGGAATCCCTGGCAAGCATCTTATGTAG
TTCCCCTGTTGGTGTATGGCTTGCTATCCTCATTGCCAACATTTTATTTCCGGGATGTCAGAACCAT
TGAATACTTAGGTGTGAATGCTTGATTATGGCTTTCCACCCGAGAAATATGCTCAGTGGTCTGCTGGG
ATTGCCTTAATGAAAAATATTCTGGCTTTATTATTCCTTTAATATTCATAGCAACGTGTTACTTTGGAA
TCAGAAAAATCTGCTGAAGACTAATAGCTATGGGAAGAAGCAGAAATACCCGTGACCAAGTCTGAAGAT
GGCAGCTGCTGTTGTGTTGGCATTATCATTGCTGGCTCCCTTCCATGTTCTGACCTTCTTGGATGCT
CTGACCTGGATGGGTATCATTAAATAGCTGTGAAGTTATAGCAGTCATTGACCTGGCACTTCTTTTGCCA
TCCTCCTGGGATTCACCAACAGCTGTGTTAATCCCTTCTGTATTGTTTTGTTGGAACCCGCTTCCAACA
GAAGCTCCGAGTGTGTTTAGAGTTCCCATTACTTGGCTCCAAGCAAGAGAGACTATGTCTTGACAGA
AAAGGCAGTTCTCTTAGAGAAATGGACACCTTTGTGTCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205572 representing NM_007429
Red=Cloning site Green=Tags(s)

MKDNFSAATSRNITSSRPFDNLNATGTNESAFNC SHKPSDKHLEAIPVLYYMIFVIGFAVNIIVVSLFC
 CQKGPVKVSSIIYIFNLALADLLLLATLPLWATYYSRYDWLFGPVMCKVFGSFLTLNMFASIFFITCMSV
 DRYQSVIYPFLSQRRNPWQASYVVPLVWCMACLSSLPTFYFRDVRTIEYLGVNACIMAFPEKYAQSAG
 IALMKNILGFIIPLIIFIATCYFGIRKHLKLTNSYGNRITRDQVLKMAAAVVLAFIICWLPFHVLTFLDA
 LTWMGIINSCEVIAVIDLALPFAILLGFTNSCVNPFYCFVGNRFQQLRSVFRVPITWLQKRETMSCR
 KGSSSLREMDTFVS

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2061_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007429

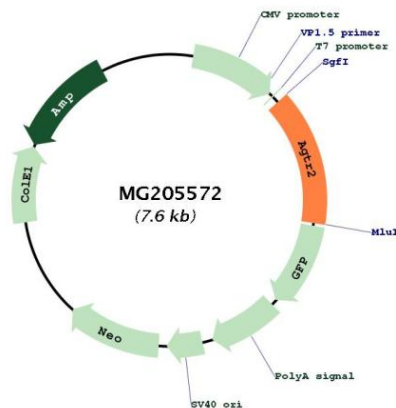
ORF Size: 1089 bp

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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_007429.5 , NP_031455.1
RefSeq Size:	3204 bp
RefSeq ORF:	1092 bp
Locus ID:	11609
UniProt ID:	P35374
Cytogenetics:	X 16.71 cM
Gene Summary:	Receptor for angiotensin II. Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205572