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Product datasheet for MC207221

Agtr2 (NM_007429) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agtr2 (NM_007429) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agtr2
Synonyms:	AI316812; AW107640
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC207221 representing NM_007429
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGACAACTTCAGTTTTGCTGCCACCAGCAGAAACATTACCAGCAGCCGTCCTTTTGATAATCTCA
ACGCAACTGGCACCAATGAGTCCGCCTTTAATTGCTCACACAAACCATCAGATAAGCATTTGGAAGCAAT
TCCTGTTCTCTACTACATGATTTTTGTGATTGGGTTTGCTGTTAATATTGTTGTGGTCTCACTGTTTTGT
TGTCAAAAGGGCCCTAAAAAGGTGTCCAGCATTTACATCTTCAATCTGGCCTTGGCTGACTTACTCCTTT
TGGCTACCCTCCCTCTCTGGGCAACCTATTACTCTTATAGATATGATTGGCTTTTTGGACCTGTGATGTG
CAAAGTGTTTGGTTCTTTTCTGACTCTGAACATGTTTGCAAGCATTTTTTTTATTACCTGCATGAGTGTC
GATAGGTACCAATCGGTCATCTACCCTTTTCTGTCTCAAAGAAGGAATCCCTGGCAAGCATCTTATGTAG
TTCCCCTTGTTTGGTGTATGGCTTGTCTATCCTCATTGCCAACATTTTATTTCCGGGATGTCAGAACCAT
TGAATACTTAGGTGTGAATGCTTGTATTATGGCTTTCCCACCCGAGAAATATGCTCAGTGGTCTGCTGGG
ATTGCCTTAATGAAAAATATTCTTGGCTTTATTATTCCTTTAATATTCATAGCAACGTGTTACTTTGGAA
TCAGAAAACATCTGCTGAAGACTAATAGCTATGGGAAGAACAGAATTACCCGTGACCAAGTCCTGAAGAT
GGCAGCTGCTGTTGTGTTGGCATTCATCATTTGCTGGCTTCCCTTCCATGTTCTGACCTTCTTGGATGCT
CTGACCTGGATGGGTATCATTAATAGCTGTGAAGTTATAGCAGTCATTGACCTGGCACTTCCTTTTGCCA
TCCTCCTGGGATTCACCAACAGCTGTGTTAATCCCTTCCTGTATTGTTTTGTTGGAAACCGCTTCCAACA
GAAGCTCCGCAGTGTGTTTAGAGTTCCCATTACTTGGCTCCAAGGCAAGAGAGAGACTATGTCTTGCAGA
AAAGGCAGTTCTCTTAGAGAAATGGACACCTTTGTGTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_007429
Insert Size:	1092 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:	NM_007429.5, NP_031455.1
RefSeq Size:	2872 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]

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