

Product datasheet for MR222966

Agtr1b (NM_175086) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agtr1b (NM_175086) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Agtr1b
Synonyms: Agtr-1b; Angtr-1b; AT1B; AT2R1B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222966 representing NM_175086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCCTTAACCTCTTCTATTGAAGATGGAATTAAGAATCCAAGATGACTGCCCAAGGCTGGCAGGC
 ACAATTACATATTTGTCATGATCCCTACTCTCTACAGCATCATCTTTGTGGTGGGAATATTTGGAAACAG
 TTTGGTGGTAATTGTCATTTACTTTTACATGAAGCTAAAGACTGTGGCCAGTGTTCCTCTGAATCCT
 GCCCTGGCTGATTTATGCTTTTGTGACTTTGCCTCTGTGGCAGTTTATACCGCTATGGAATACCAGT
 GGCCCTTCGGCAATCACCTATGTAAGATCGCTTCGGCCAGCGTCAGTTTCAACCTCTACGCCAGTGTGT
 CCTGCTCAGTGTCTCAGCATCGATCGTACCTAGCCATTGTCCACCCAATGAAGTCTCGCTCCGACGC
 ACAATGCTGGTCGCCAAAGTCACCTGCATCATCTGGCTGATGGCTGGCTAGTTTGCCGCGCCG
 TCATCCACCGAAATGTGTATTTTCATCGAGAACCAATATCACAGTTTGTCTTTTCATTATGAATCTCA
 GAACTCAACACTCCCCATTGGACTGGGTCTGACCAAGAACATTCTGGGCTTCGTGTTCCCTTTGTTATT
 ATTCTACCAGCTATACTCTGATTTGAAAGCCCTAAAGAAGGCTTACAAAATTCAGAAGAATACGCCAA
 GGAATGATGACATCTTAGGATAATCATGGCGATTGTGCTTTTCTTCTTTTCTGGTTCCCCACCA
 AATATTCAGTTTTCTGGATGTGCTCATTACAGCTGGCGTCATCCATGACTGTGAAATTGCGGACGTAGTG
 GACACTGCTATGCCATCACCATCTGCATAGCTTATTTAACAATTGCCTGAACCCCTGTGTTTTATGGCT
 TTCTGGGAAAAAATTTAAAGATATTTCTCCAGCTTCTGAAATATATTTCCCCAAAGGCCAGGTCGCA
 TGCAGGGTTATCAACAAAATGAGTACTTTCTACCGCCCTCAGATAACATGAGCTCGTCTGCCAGG
 AAGTCTGCGTATTGTTTTGAAGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222966 representing NM_175086
Red=Cloning site Green=Tags(s)

MILNSSIEDGIKRIQDDCPKAGRHNIFVMIPTLYSIIFFVVGIFGNSLVVIVIIYFYMKLKTVASVFLNL
 ALADLCFLLTLPLWAVYTAMEYQWPFGNHLCKIASASVSFNLYASVLLTCLSIDRYLAIVHPMKSRLRR
 TMLVAKVTCIIIWLMAGLASLPAVIHRNVYFIENTNITVCAFHYESQNSTLPIGLTKNILGFVFPFVI
 ILTSYTLIWKALKKAYKIQKNTPRNDDIFRIIMAIVLFFFSSWVPHQIFSLFDVLIQLGVIHDCEIADVV
 DTAMPITICIAFYNNCLNPLFYGFLGKKFKRYFLQLLKYIPPKARSHAGLSTKMSTLSYRPSDNMSSSAR
 KSAYCFEVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9057_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175086

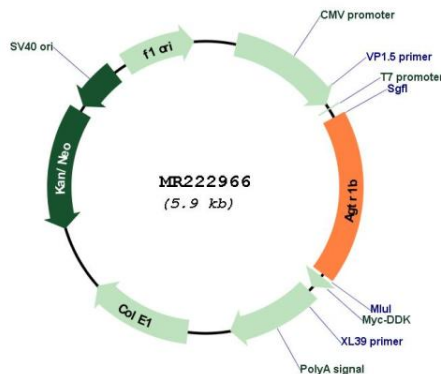
ORF Size: 1077 bp

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 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:**
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_175086.3](#), [NP_780295.2](#)
- RefSeq Size:** 2147 bp
- RefSeq ORF:** 1080 bp
- Locus ID:** 11608
- UniProt ID:** [P29755](#)
- Cytogenetics:** 3 6.37 cM
- MW:** 40.9 kDa
- 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]

Product images:



Circular map for MR222966