

Product datasheet for **RR206780**

Agt (NM_134432) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agt (NM_134432) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agt
Synonyms:	Ang; AngII; ANRT; PAT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206780 representing NM_134432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTCCACGGGGCAGGCCTGAAGCCACCATCTTCTGCATCCTGACCTGGGTGAGCTGACAGCTG
 GGGACCGGTATACATCCACCCCTTTCATCTCCTACTACAGCAAGAGCACCTGCGCCAGCTGGAGAA
 CCCAGTGTGGAGACGCTCCAGAGCCAACCTTTGAGCCTGTGCCATTAGGCCAAGACCTCCCCCGTG
 GATGAGAAGACCTGCGAGATAAGCTCGTGTGGCCACTGAGAAGCTAGAGGCTGAGGATCGGCAGCGAG
 CTGCCAGGTGCGATGATTGCCAATTCATGGGTTCCGATGTACAAGATGCTGAGTGAGGCAAGAGG
 TGTAGCCAGTGGGGCCTCTCTCCACCGGCCCTTTGGCACCTGGTCTCTTTCTACCTTGGATCG
 TTGGATCCACGGCCAGCCAGTGCAGGTGCTGCTGGCGTCCCTGTGAAGGAGGAGACTGCACCTCCC
 GGCTGGACGGACATAAGGTCTCACTGCCCTGCAGGCTGTTAGGGCTTGTGGTCAACCAGGTGGAAG
 CAGCAGCCAGACACCCCTGCTACAGTCCACCGTGGTGGCCTTCTCACTGCCCCAGGCTTGCCTAAAA
 CAGCCATTTGTTGAGAGCTTGGTCCCTCACCCCGCCATCTCCCTCGCTCTCTGGACTTATCCACTG
 ACCCAGTCTTGTGCGCCAGAAAATCAACAGGTTTGTGCAAGGCTGTGACAGGGTGAAGATGAATTGCC
 ACTAGAGGGGGTCAACAGGACAGCACCTATTTTTCAACACCTACGTTCACTTCCAAGGGAAGATGAGA
 GGCTTCTCCAGCTGACTGGGCTCCATGAGTCTGGGTGGACAACAGCACCTCAGTGTCTGTGCCATGC
 TCTCGGGCACTGGCAACTCCAGCACTGGAGTGACGCCAGAACAACTTCTCCGTGACACCGGTGCCCT
 GGGTGAGAGTGTACCCTGTCTGATCCAGCCCCAGTGGCCTCAGTCTCGACAGGGTGGAGGTCTCT
 GTCTCCAGCAGCACTTCTGACTTGGATAAAGAACCCGCTCCTCGGCCATCCGTCTGACCTTGGCCG
 AGCTGGAAATTCGGGGATCCTACAACCTGCAGGACCTGCTGGCTCAGGCCAAGCTGTCTACCTTTGGG
 TGCTGAGGCAAACTGGGCAAGATGGGTGACACCAACCCCGAGTGGGAGAGGTTCTCAACAGCATCCTC
 CTTGAACTCCAAGCAGGCGAGGAGGAGCAGCCACAGAGTCTGCCAGCAGCCTGGCTCACCCGAGGTGC
 TGGACGTGACCTGAGCAGTCCGTTCTGTTCCGATCTACGAGCGGGACTCAGGTGCGTGCACCTTCT
 GGGCAGAGTGGATAACCCCAAATGTGGTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206780 representing NM_134432
 Red=Cloning site Green=Tags(s)

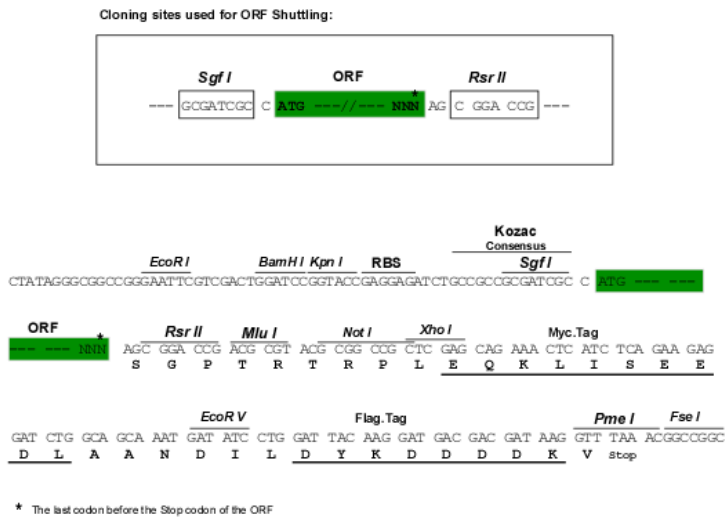
MTPTGAGLKATIFCILTWVSLTAGDRVYIHPFHLLYYSKSTCAQLENPSVETLPEPTFEPVPIQAKTSPV
 DEKTLRDKLVLAATEKLEAEDRQAAQVAMIANFMGFRMYKMLSEARGVASGAVLSPPALFGTLVSFYLG
 LDPTASQLQVLLGVPVKEGDCSTRLDGHKVLTAQAVQGLLVTTQGGSSQTPLLQSTVVGLFTAPGLRLK
 QPFVESLGPFTPAIFPRSLDLSTDPVLAQKINRFVQAVTGWKMNLPLEGVSTDSLFFNTYVHFQGKMR
 GFSQLTGLHEFWVDNSTSVSPMLSGTGNFQHWSDAQNNF SVTRVPLGESVTLILLIQPCASDLDRVEVL
 VFQHDFLTWIKNPPRAIRLTLPLQLEIRGSYNLQDLLAQAKLSTLLGAEANLGMGDTNPRVGEVLNSIL
 LELQAGEEEQPTESAQQPGSPEVLDVTLSSPFLFAIYERDSGALHFLGRVDNPNQNVV

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

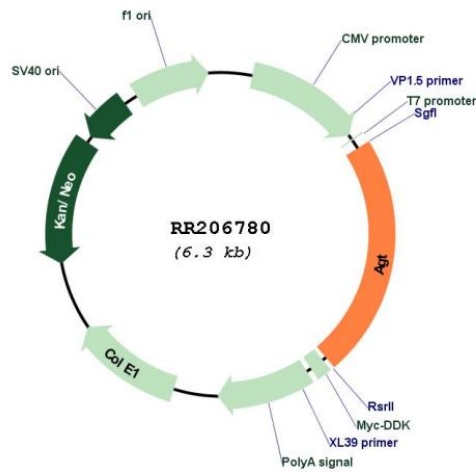
Restriction Sites:

SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_134432

ORF Size: 1431 bp

OTI Disclaimer: 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_134432.2](#), [NP_602308.1](#)

RefSeq Size: 1958 bp

RefSeq ORF: 1434 bp

Locus ID: 24179

UniProt ID: [P01015](#)

Cytogenetics: 19q12

MW: 52 kDa

Gene Summary: plays a role in regulation of blood pressure [RGD, Feb 2006]