

## Product datasheet for **MR207644**

### Agt (NM\_007428) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agt (NM_007428) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agt
Synonyms:	AI265500; AngI; AngII; Aogen; Serpina8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207644 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTCCCACGGGGCAGGCCTGAAGGCCACCATCTTCTGCATCTTGACCTGGGTGAGCCTGACGGCTG  
 GGGACCGGTATACATCCACCCCTTCCATCTCCTTTACCAACAAGAGCACCTGCGCCAGCTGGAGAA  
 CCCAGTGTGGAGACTCCAGAGTCAACGTTGAGCCTGTGCCATTAGGCCAAGACCTCCCCTGTG  
 AATGAGAAGACCTGCATGATCAGCTCGTGTGGCCGCGAGAAGCTAGAGGATGAGGACCGGAAGCGGG  
 CTGCCAGGTGCAATGATCACCAACTTCGTGGGCTTCCGCATGTACAAGATGCTGAATGAGGCAGGAAG  
 TGGGGCAGTGGGGCCATCCTCTACCACCAGCTCTTTTGGCACCTGGTCTCTTTCTACCTTGGATCC  
 TTAGATCCCACGGCCAGCCAGCTGCAGACGCTGCTGGATGTCCCTGTGAAGGAGGGAGACTGCACCTCCC  
 GACTAGATGGACACAAGGTCTCGTGCCTGCGGGCCGTTAGGGCTTGTGGTCAACCAGGTGGGAG  
 CAGCAGCCAGACCCCTGCTACAGTCCATTGTGGTGGGGCTTCACTGCCCCAGGCTTTCGTCTAAAG  
 CACTATTTGTTAGAGCCTGGCTCTTTACCCCTGCCCTTCCCACGCTCTCTGGATTATCCACTG  
 ACCCAGTCTTGGCACTGAGAAAATCAACAGGTTCAAAAGGCTGTGACAGGGTGAAGATGAACCTGCC  
 ACTGGAGGGGTGAGTACAGACAGCACCCCTACTTTTCAACACCTACGTTCACTTCCAAGGAACGATGAGA  
 GGTTTCTCTCAGTGCCTGGAGTCCATGAATCTGGGTGGACAACAGCATCTCGGTGTCTGTGCCATGA  
 TCTCCGGCACTGGCAACTCCAGCACTGGAGTGACGCCAGAACAACTTCTCCGTGACGTGCGTGCCCT  
 AGGTGAGAGGCCACCCTGCTGCTATCCAGCCCCACTGCATCTCAGATCTGACAGGGTGGAGGCCCTC  
 GTGTTCCAGAACGACCTCCTGACTTGGATAGAGAACCCTCCTCGGGCCATCCGCCTGACTCTGCCCC  
 TGCGGAGGCAAACTGAACAACATTGGTGACACCAACCCCGAGTGGGAGAGGTTCTCAATAGCATCCTC  
 CTGAACTCAAAGCAGGAGAGGAGGAACAGCCGACCACGTCTGTCCAGCAGCCTGGCTCACCGGAGGCAC  
 TGGATGTGACCCTGAGCAGCCCCTTCTGTTCCGCATCTACGAGCAGGACTCAGGCACGCTGCACTTTCT  
 GGGCAGAGTGAATAACCCCCAGAGTGTGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207644 protein sequence  
 Red=Cloning site Green=Tags(s)

MTPTGAGLKATIFCILTWVSLTAGDRVYIHPFHLLYHNKSTCAQLENPSVETLPESTFEPVPIQAKTSPV  
 NEKTLHDQLVLAEEKLEDEDRKRAAQVAMITNFVGFMYKMLNEAGSGASGAILSPPALFGTLVSYFLGS  
 LDPTASQLQTLTLDVPVKEGDCTSRLDGHKVLAAALRAVQGLLVTQGGSSSQTPLLQSIIVGLFTAPGFRK  
 HSFVQSLALFTPALFPRSLDLSTDPVLATEKINRFIKAVTGWKMNLPLEGVSTDSTLLFNTYVHFQGTMR  
 GFSQLPGVHEFWVNSISVSVPMISGTGNFQHWSDAQNNFSVTCVPLGERATLLLIQPHCISDLDRVEAL  
 VFQNDLLTWIENPPRAIRLTLPQLEIRGSYNLQDLAEDKLPDLLGAEANLNNIGDTPRVGEVLSIL  
 LELKAGEEQPTTSVQQPGSPEALDVTLSPPFLFAIYEQDSGTLHFLGRVNNPQSVV

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007428

**ORF Size:** 1434 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\\_007428.3](#), [NP\\_031454.3](#)
**RefSeq Size:** 1856 bp

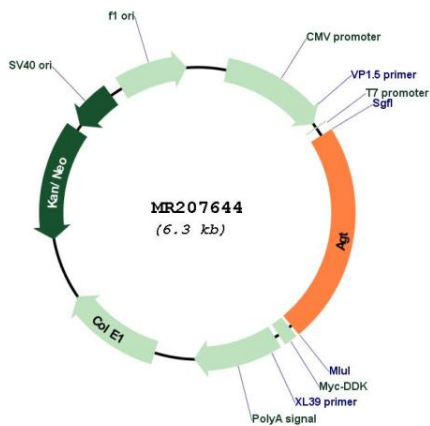
**RefSeq ORF:** 1449 bp

**Locus ID:** 11606

**Cytogenetics:** 8 72.81 cM

MW: 52 kDa

Product images:



Circular map for MR207644