

## Product datasheet for **RR204908**

### Agap1 (NM\_001108230) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agap1 (NM_001108230) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agap1
Synonyms:	Centg2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide  
Sequence:**

>RR204908 representing NM\_001108230  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGTGGACGCGGTATCTTTGTCTTCAGCTTGGAGGATGAGATCAGTTTCCAGACCGTCTACCATT  
 ACTACAGCGGAATGGCCAACTACAGGAACACCAGTGAGATCCCATTAGTGCTGGTGGGGACCCAGGACGC  
 CATAAGTTCCACCAACCCGAGGGTCATCGATGACGTCAGGGCTCGGAAGCTCTCCAATGACCTGAAGCGG  
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 TTAAGCGACTACTCATCCTCTGTCCCTCGACCCCAAGCACCAGCCAGAAGGAGCTTCGGATCGACGTCC  
 CTCCCCTGCCAACTCCAACGCCCGTCCGGAAGCAATCCAAGCGCAGGTCCAACCTATTCACATCTAG  
 GAAAGGGAGCGACCCAGACAAAGAGAAGAAAGGCTGGAGAGCCGCGGACAGCATCGGGAGCGGGCGA  
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 TCAGCCTGTGCGCCGATCTCCAGTCCAAAACCAATGGCCTGGCCAAGGACATGAGCAGTTTACACATCT  
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 TCCATCGGGAATGAGCTGGCCAACAGCGTGTGGGAAGAGGGCAGCCAGGGACGGACAAAGCCCTCGTTGG  
 ACTCCACCAGGGAAGAAAAGGAACGGTGGATTCGGCCAAGTATGAGCAGAACTCTTCTGGCCCCACT  
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 ATCCTGCTTCTGGCACACGGGTACGGGATGAGGTGAATGAGACCTGTGGGAAGGAGATGGTCGCACGG  
 CCCTGCACCTGGCCTGCCGAAGGGCAACGTGGTCTGGTTCAGCTGCTGATCTGGTACGGGGTGGACGT  
 CATGGCCCAGACGCCACGGGAACACAGCACTGGCCTATGCCCGTCAGGCCTCCAGCCAGGAGTGTATC  
 GACGTGCTTCTACAGTATGGCTGCCCGACGAGCGCTTTGTGCTCATGGTACCCCAACCTGTCTAGAA  
 AGAACACAGCAGGAACAACAGTAGCGGCAGGGCGCCAGTGTATC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204908 representing NM\_001108230  
 Red=Cloning site Green=Tags(s)

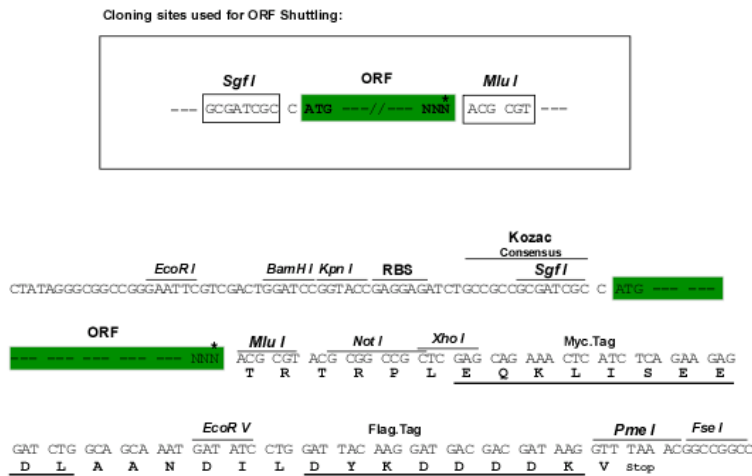
MWVDAVIFVFSLEDEISFQTVYHYYSRMANYRNTSEIPLVLVGTQDAISSTNPRVIDDVRARKLSNDLKR  
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 LSDYSSSVPSTPSTSQKELRIDVPPTANTPTPVRKQSKRRSNLFTSRKGSDDPKKEKGLSRADSIGSGR  
 AIPKQGMMLLKRSGKSLNKEWKKKYVTLCDNGVLTYPHSLHDYMQNVHGKEIDLRTTVKVPGRPPRAT  
 SACAPISSPKTNGLAKDMSLHISPNSGKLTAAAGSQMASGISLVSFNSRPDGMHQRSYSVSSADQWSDA  
 TVIANSAISSEQEENLEFIIIVSLTGQTWHFATTYEERDAWVQAIESQILASLQSCCESSKNKSRLLTSQSE  
 AMALQSIRNMRGNSHCVDCDTQNPWASLNLGALMCIECSGIHRNLGTHLSRVRSLLDDWPMELIKVMS  
 SIGNALANSVWEEGSQGRTPSLDSTREEKERWIRAKYEQKFLAPLPCTEFSLGQQLLHATAEEDLRTV  
 ILLLAHGSRDEVNETCGEGDGRALHLACRKGNNVVLVQLLIWYGVDMARDAHGNTALAYARQASSQECI  
 DVLLQYGCPPERFVLMATPNLSRKNNRNSSGRAPSVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

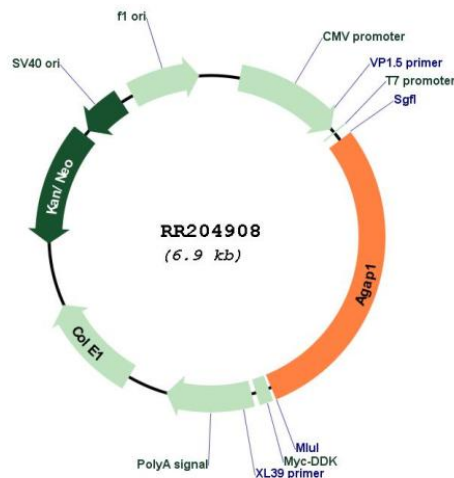
SgfI-MluI

**Cloning Scheme:**



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

## Plasmid Map:



ACCN: NM\_001108230

ORF Size: 2007 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\\_001108230.1](#), [NP\\_001101700.1](#)

RefSeq Size: 4330 bp  
RefSeq ORF: 2010 bp  
Locus ID: 316611  
Cytogenetics: 9q35-q36  
MW: 73.8 kDa