

## Product datasheet for **RR207970**

### Aaas (NM\_001106795) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aaas (NM_001106795) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aaas
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR207970 representing NM\_001106795  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGCTCCCTGGGGTTGTTTCCCCCGCCGCCCTAGAGGTCAAGTCACCTGTATGAGCACAAATACG  
 AGCTGGTGACCGCAACAGCTATGAGAGCCCGCTCCCGACTCCGGGGCCAGTGGATCAATCTTCTGT  
 CCTACACCTGACCAAGGATCCCCAAAAGCTCCTGGGAGGCTGGACCATGGTACAAGAGCTGCCTTCATC  
 CATCATCGGGAGCAAGTGTGGAAGAGGTGCATCAATGTTTGGCACGATGTGGGTCTTTTTGGAGTCTGA  
 ATGAAATTGCAAATTCAGAGGAAGAAGTGTGAGTGGGTAAAGACAGCCTCCAGCTGGGCCCTGGCTCT  
 CTGTGGCCGGGCTCCTCCCTCCATGGCTCCTTGTCCACACCTCTCACTCAGGAGTGAGGATCTGATT  
 GCTGAATTTGCCAAGTCACTAACTGGTCCAGTGTCTTACGGGTCTTGCCTGGCATCTCACACCA  
 ACAAGTTTGCAGTGGCCCTGCTGGATGACTCCATCCGTGTTTAAATGCCAACAGCACTATAGTTCCCTC  
 CCTGAAGCACCGTCTACAGCGAAATGTGGCAGCACTGGCCTGGAAGCCCTCAGTGCCTCTGTCTGGCT  
 GTGGCCTGCCAGAGCTGTATTCTCATCTGGACCTGGACCCACTTCCTTATCTACGAGACCTCCTCTG  
 GCTGCGCCAGGTCTTGTCTCACCTGGGCACACACAGTCAACAGCTTGGCTTGGGCCCAATGGGGG  
 GTGGTGTCTCAGCCTACCGGTAGATGCTGTTATTCTGGTATGGGACGTTTCAACAGAAAACCTGTGTC  
 CCCCTTCTTGGTTCGAGGAGGAGGGTTACCAACTTGTGTGGTCCCCAGATGGCAGCAAAGTCTGG  
 CTACAACCTCTCCGCTGTCTTTCGAGTCTGGGAGGCCGGATGTGGACTTGTGAGGGGTGGCAACTCT  
 CTCAGGGCGTGCCAGACTGGCTGCTGGAGTCCAGACGAAAACGATTGTTGTTCACTGTATTGGGGAA  
 GCATTAATTTATCCTTGTCAATCCAGAACCATGTGGAACAGAGAAAGGACATGTTGGAGTGCAAAGT  
 CAGCCACCATCGTAGCAGATCTTCTGAGACAACAATTAGACCCAGATGGAGAGGAGACTCGGGGG  
 AGAGGCTCAGCCATGGTTTGGGACCTAGTGGTGAACGACTGGCTGTGCTCATGAAAGGAAACCCACGG  
 GTTCAGGATGGGAATCCTGTATCCTCCTTTTTCGAACTCGAAACAGCCCGTGTGTTGAGCTGCTCCCT  
 GTGGTGTATTACGGGGAGCCGGGAGCCCAAGCCAGCTCGTCAGCTTCCATCTGCTTCAACAAAGG  
 GGCCTTGTCTCAGTGTGTGCTGGTCCACAGGCCAATCACCCACATCCCTCTGTACTTTGTCAACGCCAA  
 TTTCCACGCTTATGCCAGTGTGGTGGGGCCAGGAGCCCCAGCTGGAGGTGGAGGCTCTGTTCATG  
 AAGTACCACTATTTACTGAGACATACCAACCTCTGCCCTTGGGACCTCTTCCAGGACTACCATCTGC  
 TCAACCCCACTCCCTCACTCCACTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207970 representing NM\_001106795  
 Red=Cloning site Green=Tags(s)

MCSLGLFPPPPRQVTLYEHNELVTGNSYESPPPDFRGQWINLPVLHLTKDPLKAPGRDLHGTRAAFI  
 HHREQVWKRCINVWHDVGLFGVLNEIANSEEEVFEWVKASSWALALCGRASSLHGSLFPHLSLRSEDLI  
 AEFAQVTNWSSCLRVFAWHPHTNKFVALLDDSIKVYANSTIVPSLKHRLQRNVAALAWKPLSASVLA  
 VACQSCILIWTLDPSTLSTRPSSGAQVLSHPGHTPVTSLAWAPNGWLLSASPVDVAVILVWDVSTETCV  
 PLPWFRRGGVTNLLWSPDGSKVLATTPSAVFRVWEARMWTCEGWPTLSGRCQTGCWSPDGKRLFTVLGE  
 ALIYSLSFPEPCGTEKGVGGAKSATIVADLSETTIQTPDGEERLGGEAHAMVWDPSEGERLAVLMKGNPR  
 VQDGNPVILLFRTRNSPVFELLPCGVIQGEPGAQQLVSFHPAFNKGALLSVCWSTGRITHIPLVFNVAQ  
 FPRFSPVLGRAQEPPAGGGGSVHEVPLFTETSPTSAPWDPLPGLPSAQPHSPHSHL

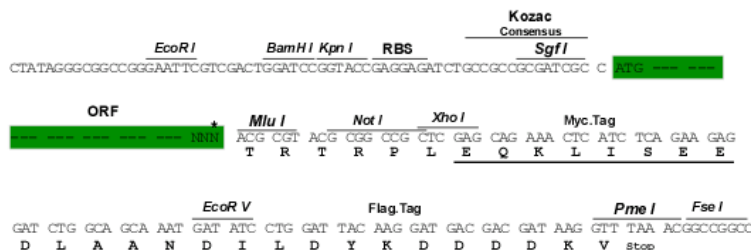
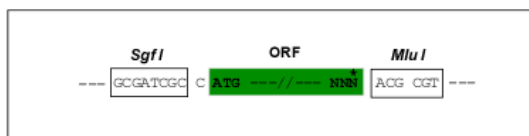
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

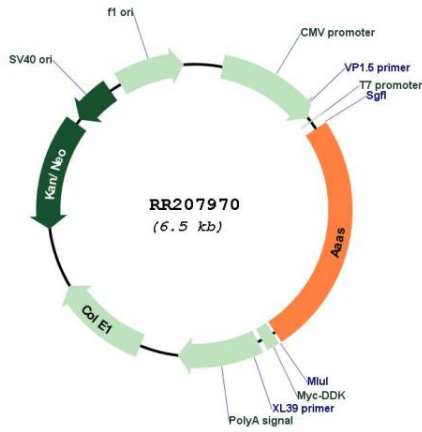
Cloning sites used for ORF Shutting:



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

- ACCN:** NM\_001106795
- ORF Size:** 1638 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\\_001106795.1](#), [NP\\_001100265.1](#)
- RefSeq Size:** 1911 bp
- RefSeq ORF:** 1641 bp
- Locus ID:** 300259
- Cytogenetics:** 7q36
- MW:** 59.4 kDa

Product images:



Circular map for RR207970