OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN217603

Aatk (NM_001168703) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Aatk (NM_001168703) Rat Untagged Clone

Tag: Tag Free

Symbol: Aatk

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF:

>RN217603 representing NM_001168703
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCATCGCGCTGCTGGCCCTGGCCATGTCGTCGTCCTTCTTCAACCCCAGCTTTGCCTTCAGCTCCC
ACTTCGACCCGGACGGTGCCCCGCTCAGTGAGCTATCCTGGTCCTCGTCCCTTGCAGTGGTTGCTGTGTC
CTTCTCTGGGATCTTCACTGTCATTGTCCTCATGCTGGCCTGCCTGTGCTGTAAGAAGGGCGGCATTGGG
TTCAAGGAGTTTGAGAATGCTGAAGGGGAAGAGTATGTGGCCGACTTCTCGGAGCAGGGCTCCCCGGCTG
CTACTGTACAGAACGGCCCCGATGTGTATGTCCTGCCTCTCACTGAGGTCTCCCTGCCCATGGCTAAGCA
GCCGGGTCGCTCAGTGCAACTCCTCAAGTCCACGGACCTGGGCCGCCACAGCCTCCTGTACTTGAAGGAG
ATTGGCCACGGTTGGTTTGGGAAGGTGTTCTTGGGGGAGGTGCACTCGGGTGTCAGTGGCACGCAGGTGG
TGGTGAAGGAGCTGAAGGCCAGCGCCAGTGTGCAGGAGCAGATGCAGTTCCTGGAGGAGGCGCAGCCCTA
CAGGGCCCTGCAGCACAGCAACCTGCTTCAGTGCCTGGCCCAGTGTGCTGAGGTGACCCCCTATTTGCTG
GTTATGGAGTTCTGTCCCCTGGGGGACCTCAAAGGTTATCTACGGAGCTGCCGGGTGACAGAGTCCATGG
CGCCTGACCCCCTTACCTTGCAGCGCATGGCGTGCGAGGTGGCGTGTGGTGTCTTGCATCTACATCGTCA
CAACTATGTGCACAGTGACCTGGCCCTGAGGAACTGCCTGCTGACGGCTGACCTGACAGTGAAGGTTGGC
GACTATGGCCTGGCCCATTGCAAATACAGGGAAGACTACCTCGTGACGGCCGACCAGTTGTGGGTGCCGC
TGCGTTGGATCGCGCCAGAGCTGGTGGATGAGGTGCATGGCAACCTACTGGTGGTGGACCAGACTAAGAC
CAGCAATGTGTGGTCCCTGGGTGTGACCATCTGGGAGCTTTTCGAGTTGGGCGCGCAGCCCTACCCCCAG
CACTCGGACCGGCAGGTGCTGGCTTACGCCGTCCGAGAACAGCAACTTAAGTTGCCCAAGCCCCAGCTAC
AGCTGACTCTGTCTGATCGATGGTACGAGGTGATGCAGTTCTGCTGGCTTCAGCCAGAACAGAGGCCTAC
GGCTGAGGAGGTTCATCTGCTGCTGTCCTACTTGTGCGCCAAGGGCACCACGGAGCTGGAGGAGGAGTTC
GAGCGGCGCTGGCGCTCCCTGCGGCCGGGGGGCAGCGCGGGGCTGGGCTCAGCTTCCACAGTCCCGGCAG
CTGCCGCATCTGAACTCACTGCTGCTTCATCTTTCCCGCTGCTGGAGCAGTTCACCAGTGACGGCTTCCA
CGTGGACAGCGACGACGTGCTGACAGTCACTGAGACGAGCCACGGCCTCAACTTCGAATACAAGTGGGAG
GCTGGCTGTGGCGCTGAGGCTTACCCGCCCCCAGGCGCTGCTTTCAGCCCAGGTTCCGCAGGGCGCCTGC
AGGAGCTGTGTGCACCCGACAGCTCGCCGCCGGGTGTGGTGCCGGTCCTCAGTGCCCACAGCCCCTCAGT
GGGTAGCGAGTACTTCATCCGCCTGGAGGGGGCAGTGCCGGCTGCTGGCCATGACCCAGACTGTGCCGGC

View online »

TGTGCTCCCAGCCCCCAAGCTGTGTCCGAGCAGGACAATAACTCTGAGGAGAGCACCGCTGCATCCCTTG
TCATGGAGCCGCTTCTGGGCCACGCACCACCCACTGGGGGCCTGTGGGGCCCCTGCGACCATCATTCTCG
AAGGAGGCAAGAGCCACCCTGCCCCTCACGCTCACCCTCTCCTGGGACCCCGATGTTGCCAGCTGAAGAC
ATAGACTGGGGTGTAGCTACCTTCTGCCCACCCTTTTTTGATGACCCACTGGGCACATCTCCCTCTGGGA
GTCCTGGGGCCCAGCCATCCCCCAGTGATGAGGAGCTGGAGGAGGGAAAGACTGGGAGGGCTGCTCAGTG
TGGACACTGGAGCTCTAACATGTCTGCCAACAATAACAGTGGCAGTCGAGACCCAGAATCCTGGGATCCT
GGCTATGTGAGCAGCTTCACAGACAGCTACAGGGACGACTGCTCCAGCTTAGAGCAGACCCCTCGGGCCT
CCCCTGAGCTGGGCCATCCCCTGTCCCAGGAGGATTCCAGAGATTTTTTACCTGGGCTAGTAGCAGCTTC
CCCTGGCCAGGAGTCAAGCCGTTGCTTCAACCTGCTCCCTCTGTGTCCTGCCAAAGGCCTGGCACCTGCT
GCTTGCCTCGTCCCACCCCCCTGGACAGAGGCAGCTGTAGGTGGGGCTGAGAACCCCATTGTCGAACCCA
AACTTGCCCAGGAGGCTGAGGGCTCTGCTGAACCCCAGCTACCCCTTCCTTCTGTCCCCTCCCCATCCCA
CGAAGGAGCCTCGCTTCCCTCGGAGGAGGCAAGCGCTCCTGACATCCAGCCTGCCTCTCCTACACCCGCT
GCTGGCAGCTGGGTGACCGTCCCTGAGCCAGCCCCCACCCTGGATAGCAGCAGCAGTTCTCTGGGGCAAG
AGGTACCCAGCAGCGAGGATGAAGACACAACCGAGGTTACGTCAGGAGTCTTCACCGACCTGTCCAGCGA
CGGCCCACACACGGAGAAGTCAGGCATAGTACCAGCCTTGCGCTGTCTGCAGAAGCAGGTGGGGACCCCT
GACTCCCTGGACTCTTTGGACATCCCGTCCTCAGCCAGCGATGGCGGCTGTGAGGTCTTAAGCCCATCAG
CTGCTGGCCCCGCTGGTGGGCAGCCCCGTGCCATGGACAGTGGCTATGATACAGAGAACTATGAGTCCCC
TGAGTTTGTGCTCAAGGAGGCCCATGAGTCAAGTGAGCCTGAGGCCTTTGGGGAGCCAGCCTCAGAGGGT
GAGAGCCCAGGGCCCGATACTCTGCTCTCTGTCTCCCTTGGTGACCTCAGCAGAAAGAACCCCTACCGAG
ACTCTGCCTACTTTTCAGACCTGGATGCTGAGTCCGAACCCAACTTTGGCCCTGAGAAGCACAGTGGGAT
CCAGGACTCCCAAAAGGAGCAAGACCTGAGGAGCCCACCTAGTCCAGGGCATGAGTCTGTGCAGGCTTTT
CCCAGGCCTGAGGTGTCCAGCGAGGTGCTGCCCCCTCCACAGCAGTCAGAGGAGCCCATGCCAGAAGGCC
CCGGGTCAGAGCCTCTTGAGGCTCAAGGCCCAGTTGAAGTGGAGCCCGTGCCAGGCCCAAGTCATTCCAA
ATGTCTCCTGTTGACCTCCGCTCCACTGAGCTCGGAAGGCAATGGCACGGAGTCCCGGGGTCCCCCAGGA
CCACTGTCAGGGCCAGCCCAGACCGGGCGGATGGGGAATCCTAGCACATCCAGATCCCCGCTCTGCCTGG
CCCTGCCTGGCCACCCTGGGACTTCAGAGGGACGGCCAGAGGATGACGAGGACACCGAGGACAGTGAGGA
GTCTGACGAGGAGCTCCGGTGCTACAGCGTCCAGGAGCCCAGTGAGGACAGTGAGGAGGAGCCATCAGCG
GTGCCTGTGGTAGTGGCTGAGAGCCAGAGTGCCCGGAATCTACGCAGCCTGCTGAAGATGCCCAGCCTGC
TGTCGGAGGCCTTCTGCGACGACCTGGAGCGCAAGAAGAAGGCTGTGTCCTTCTTTGATGACGTCACGGT
CTACCTCTTTGACCAGGAGAGCCCCACCCGAGAAGCTGGGGAGCCCTTCCCCAGCACGAAGGAGTGTCCC
ACGTTCCTGGAGGGTAGCCCCGGCTCACCCAGTGCCACTGGCGTGCCACTGCGGGCTGGTCACTCGCCAG
ACAGCTCTGCTCCCGAACCGGGCAGTAGGTTCGAATGGGATGGAGATTTCCCACTGGTGCCGGGCAAGGC
TGCTTTGGTGACTGCGCTGGATCCTGCCGACCCTGTCCTGGCTGCGCCTCCCACGCCAGCTGCACCATTT
TCACGCTTCACGGTGTCGCCCGCACCTCCCTCCCGCTTTTCCATCACACAAGTATCCGACTCAGATGCCC
AGTCCATGGGAGGCCCGGCAGCAGATGCTGAGGGCCGATGCACAAAGGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001168703

Insert Size: 4113 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001168703.1, NP_001162174.1
RefSeq Size:	5297 bp
RefSeq ORF:	4113 bp
Locus ID:	690853
Cytogenetics:	10q32.3