

Product datasheet for **MC229556**

Aatk (NM_001198787) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aatk (NM_001198787) Mouse Untagged Clone
Tag: Tag Free
Symbol: Aatk
Synonyms: AATYK; aatyk1; mKIAA0641
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229556 representing NM_001198787
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCCTGCCTGTGTGTAAGAAGGGCGGCATCGGGTTCAAGGAGTTTGAGAATGCTGAAGGGGACG
 AGTATGTGGCCGACTTCTCGGAGCAGGGCTCCCGGCTGCAGCTGCACAGACCGCCCGATGTGTATGT
 CCTGCCCTCACCGAGGTCTCCTTACCCATGGCCAAGCAGCCGGTGCCTCCGTGCAACTTCTCAAGTCC
 ACGGACCTGGGCCGACAGCCTCCTGTACTTAAAGGAGATTGGCCACGGCTGGTTTGGGAAGGTGTTTT
 TGGGGGAGGTACTCGGGCGTCAGTGGCACGCAGGTGGTGGTGAAGGAGCTGAAGGTGAGCGCCAGCGT
 GCAGGAGCAGATGCAGTTCCTGGAGGAGGCGCAGCCCTACAGGGCCCTGCAGCACAGCAACTGCTCCAG
 TGCTGGCCAGTGTGCTGAAGTGACCCCTACCTGCTGGTTATGGAGTTCTGTCCACTGGGGGACCTCA
 AAGGTTATCTACGGAGCTGCCGGGTGACAGAGTCCATGGCGCCTGACCCACTTACCTGCAGCGCATGGC
 GTGCGAGGTGGCGTGTGGCGTCTGCATCTACATCGACACAATATGTACACAGTGACCTGGCCCTGAGG
 AACTGCCTGCTTACGGCTGACCTGACAGTGAAGGTTGGTGATTATGGCCTGTCGATTGCAAATACAGGG
 AAGACTATCTCGTGACCGCTGACCAGTGTGGTGCCGCTGCGCTGGATCGCGCCAGAGCTGGTGACGA
 GGTTACGCGCAACTGCTGGTGGTGGACCAGACCAAGAGCAACGTTGGTCCCTGGGTGTGACCATC
 TGGGAGCTTTTCGAGTTGGGTGCGCAGCCGTACCCCGAGCACTCGGACGGCAGGTGCTGGCTTACGCCG
 TCCGGGAGCAGCAGCTTAAAGTTGCCAAGCCCCAGCTGCAGCTGGCTCTATCTGATCGATGGTACGAGGT
 GATGCAGTTCTGCTGGCTGCAGCCAGAGCAGAGGCCACAGCTGAAGAGGTTTCACTACTGCTGTCTAC
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 GCAGCACGGCCCTGGGCTCGGGTCTGCAGCCCCAGCAGCTGCCACCGCCGCTCCGCGGAGCTCACCGC
 TGCTCGTCTTCCCGCTGCTGGAGCGGTTACCAGCGACGGCTTACAGTGGACAGTGTGACGTGCTG
 ACGGTCACGGAGACAAGCCACGGCTCAACTTTGAATACAAGTGGGAGGCTGGCTGTGGCGCTGAGGAGT
 ACCCACCTCGGGGGCTGCATCAAGCCCAGGCTCGGCAGCGCGCTGCAGGAGTTGTGCGCGCTGACAG
 TTCACCGCCGGGTGGTGGCAGTCTCAGTGCCACAGCCCCTCAGTGGGTAGCGAGTACTTATCCCGC
 CTGGAGGGGGCAGTGCCTGCTGCTGGCCAGATCCAGACTGTGCCGGCTGCGCTCCAGCCCCAGGCTG



TGACTGACCAGGACAATAACTCTGAGGAGAGCACTGTTGCGTCCCTTGCCATGGAGCCATTGCTGGGCCA
 TGCACCCCAACTGAGGGTCTGTGGGGCCCTGTGACCACCATTACATAGGAGGCAAGGGTCACCTGT
 CCCTCACGCTCACCTCTCTGGGACCCGATGTTGCCAGCTGAAGACATAGACTGGGGTGTGGCTACCT
 TCTGCCGCCCTTCTTTGATGACCCACTGGGTGCATCTCCCTCGGGGAGTCTGGGGCCAGCCCTCCC
 CAGTGATGAGGAGCCAGAGGAGGGGAAGGTGGGGTTGGCCGCTCAGTGTGGACTGGAGCTAACATG
 TCAGCTAACAAACAGTGCCAGTCGCGACCCAGAATCCTGGGATCCTGGCTATGTTAGCAGCTTCACAG
 ACAGCTACAGGGACGACTGCTCCAGCTTAGAGCAGACCCCTCGAGCCTCCCTGAGGTGGCCATCTCCT
 GTCCCAGGAGGATCCCAGAGATTTTCTCCCTGGGCTAGTAGCAGTCTCCCTGGTCAGGAGCCAAGCCGT
 CCCTTCAACTGCTCCCTGTGTCTGCCAAAGGCTGGCACCTGCTGCCTGCCTCATCACATCCCTT
 GGACAGAGGGAGCTGTGGGTGGGGTGAAGAACCATTGTGGAACCCAACTTGCCAGGAGGCTGAGGG
 ATCTGCTGAACCCAGCTACCCCTTCTTCCGTCCTCCCATCCTGTGAAGGAGCCTCACTTCCCTCG
 GAGGAGGCAAGCGCTCCTGACATCTACCTGCCTACCCACACCCGCTGCTGGCAGCTGGGTGACCGTCC
 CTGAGCCAGCCCCACCCTGGAGAGCAGCGCAGTTCTCTGGGCAAGAGGCCACAGCAGCGAGGACGA
 AGACACGACCCAGGCAACATCAGGAGTCTTACCAGCTGTCCAGTGACGGCCACACACGGAGAAGTCA
 GGCATAGTACCAGCTTGCAGTCTGCAGAAGCAGGTGGGACCCTGACTCCCTGGACTCTCTGGACA
 TACCGTCTCAGCCAGTGATGGTGGCTGTGAGGCTTAAGCCATCAGCTGCTGGTCCACCTGGCGGGCA
 GCCCGTGCCTGGACAGTGGCTATGATACAGAGAACTATGAGTCTCCTGAGTTTGTCTCAAGGAGGCC
 CATGAGTCGAGTGAGCCTGAGGCCCTTGGGGAGCCAGCCTCAGAGGGTGAGAGCCAGGGCCCGATCCTC
 TGCTCTGTCTCCCTTGGTGGCCTCAGCAAGAAGAGCCCTACCAGACTCTGCCTACTTTTACAGACT
 GGATGCCGAGTCCGAACCCACCTTTGGCCCTGAGAAGCACAGTGGGATCCAGGACTCCAAAAGGAGCAA
 GACCTGAGGAGCCACCTAGCCAGGGCATCAGTCTGTGACGGCTTTTCCAGGTCTGCAGTGTCCAGCG
 AGGTGCTGTCCCTCCACAGCAGTCAAGGAGCCCTTCCAGAAAGTCCCAAGTCCCAAAATGTTTCCCGCTGACCTCCGTT
 TCAAGGCCAGTTGGAGTGCAGCCTGTGCCCGGCCAAGTCAATCCAAATGTTTCCCGCTGACCTCCGTT
 CCACTGATCTCAGAAGGCAGTGGCAGCGAGCCCAAGGTCCTCAGGACAGCTGTGAGGGGAGCCAGC
 AGGGGAGATGGCAATCCTAGCACACCCAGATCCCGCTCTGCCTGGCCCTGCCTGGCCACCCCGGGC
 TTTGGAGGGCCGGCCGAGGAGGATGAGGACACCGAGGACAGCGAGGAGTCTGATGAGGAGCTCCGGTGC
 TACAGCGTCCAGGAGCCAGTGAGGACAGCGAGGAGGAGCCAGCGGTGCCCGTGGTGGTGGCTGAGA
 GCCAGAGTGCCCGAAATCTACGCAGCCTGCTGAAGATGCCAGCCTGCTGTGAGAGCCTTCTGTGACGA
 CCTGGAGCGCAAGAAGAAGGCTGTGTCTTCTTCGATGATGTACGGTCTACCTTTTACCAGGAAAGC
 CCCACCCGAGAGACTGGGAGCCCTTCCAGCACAAAGGAATCACTCCCTACGTTCTGGAGGGTGGCC
 CCAGCTACCCAGTGCCACCGGCTGCCACTGCGGGCTGGCCACTCTCCTGACAGCTCTGCTCCTGAACC
 AGGCAGTAGGTTTCAATGGGATGGTGATTTCCCGTTGGTCCCGCAAGGCTGCTTTGGTACTGAGCTG
 GATCCTGCTGACCTGTCTGGCGGCGCTCCACGCCAGCTGCGCCCTTCTCACGCTTACCGTGTAC
 CCACACCTGCCTCCCGCTTTCCATACCCACATATCTGACTCAGATGCCAGTCCGTGGGAGGCCAGC
 AGCAGGTGCTGGGGCCGATACACAGAGGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001198787
- Insert Size:** 3954 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:	<ol style="list-style-type: none">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:	<u>NM_001198787.1, NP_001185716.1</u>
RefSeq Size:	5195 bp
RefSeq ORF:	3954 bp
Locus ID:	11302
UniProt ID:	<u>Q80YE4</u>
Cytogenetics:	11 E2
Gene Summary:	May be involved in neuronal differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant, and encodes isoform 1. Variants 1 and 3 encode the same protein (isoform 1).