

Product datasheet for **MC224214**

Aatk (NM_007377) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aatk (NM_007377) 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: >MC224214 representing NM_007377
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGCCTGCCTGTGTGTAAGAAGGGCGGCATCGGGTTCAAGGAGTTTGAGAATGCTGAAGGGGACG
AGTATGTGGCCGACTTCTCGGAGCAGGGCTCCCCGGCTGCAGCTGCACAGACCGCCCGATGTGTATGT
CCTGCCCTCACCGAGGTCTCCTTACCCATGGCCAAGCAGCCGGTGCCTCCGTGCAACTCTCAAGTCC
ACGGACCTGGGCCGGCACAGCCTCCTGTACTTAAAGGAGATTGGCCACGGCTGGTTTGGGAAGGTGTTTT
TGGGGGAGGTACTCGGGCGTCAGTGGCACGCAGGTGGTGGTGAAGGAGCTGAAGGTGAGCGCCAGCGT
GCAGGAGCAGATGCAGTTCCTGGAGGAGGGCAGCCCTACAGGGCCCTGCAGCACAGCAACTGCTCCAG
TGCTGGCCAGTGTGCTGAAGTGACCCCTACCTGCTGGTTATGGAGTTCTGTCCACTGGGGGACCTCA
AAGGTTATCTACGGAGCTGCCGGGTGACAGAGTCCATGGCGCCTGACCCACTTACCTGCAGCGCATGGC
GTGCGAGGTGGCGTGTGGCGTCTGCATCTACATCGACACAATATGTACACAGTGACCTGGCCCTGAGG
AACTGCCTGCTTACGGCTGACCTGACAGTGAAGGTTGGTGATTATGGCCTGTCGATTGCAAATACAGGG
AAGACTATCTCGTGACCGCTGACCAGTGTGGTGCCGCTGCGCTGGATCGCGCCAGAGCTGGTGACGA
GGTTCACGGCAACTGCTGGTGGTGGACCAGACCAAGAGCAGCAACGTGGTCCCTGGGTGTGACCATC
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TCCGGGAGCAGCAGCTTAAGTTGCCAAGCCCCAGCTGCAGCTGGCTCTATCTGATCGATGGTACGAGGT
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TTGTGTGCTAAGGGCACACAGAATTGGAGGAGGAGTTTGGAGCGCGCTGGCGCTCCCTGCGGCCCGGGG
GCAGCACGGCCCTGGGCTCGGGTCTGCAGCCCCAGCAGCTGCCACCGCCGCTCCGCGGAGCTCACCGC
TGCTCGTCTTCCCGCTGCTGGAGCGGTTACCAGCGACGGCTTACAGTGGACAGTGTGACGTGCTG
ACGGTCACGGAGACAAGCCACGGCTCAACTTTGAATACAAGTGGGAGGCTGGCTGTGGCGCTGAGGAGT
ACCCACCTCGGGGGCTGCATCAAGCCCAGGCTCGGCAGCGCGCTGCAGGAGTTGTGCGCGCTGACAG
TTCACCGCCGGGTGGTGGTCCAGTCTCAGTGCCACAGCCCCTCAGTGGGTAGCGAGTACTTCATCCGC
CTGGAGGGGGCAGTGCCTGCTGCTGGCCAGATCCAGACTGTGCCGGCTGCGCTCCAGCCCCAGGCTG



TGACTGACCAGGACAATAACTCTGAGGAGAGCACTGTTGCGTCCCTTGCCATGGAGCCATTGCTGGGCCA
 TGCACCCCAACTGAGGGTCTGTGGGGCCCTGTGACCACCATTACATAGGAGGCAAGGGTCACCTGT
 CCCTCACGCTCACCTCTCTGGGACCCGATGTTGCCAGCTGAAGACATAGACTGGGGTGTGGCTACCT
 TCTGCCGCCCTTCTTTGATGACCCACTGGGTGCATCTCCCTCGGGGAGTCTGGGGCCAGCCCTCCC
 CAGTGATGAGGAGCCAGAGGAGGGGAAGGTGGGGTTGGCCGTCAGTGTGGACTGGAGCTAACATG
 TCAGCTAACAAACAGTGCCAGTCGCGACCCAGAATCCTGGGATCCTGGCTATGTTAGCAGCTTCACAG
 ACAGCTACAGGGACGACTGCTCCAGCTTAGAGCAGACCCCTCGAGCCTCCCCTGAGTGGGCCATCTCCT
 GTCCCAGGAGGATCCCAGAGATTTTCTCCCTGGGCTAGTAGCAGTCTCCCTGGTCAGGAGCCAAGCCGT
 CCCTTCAACTGCTCCCTGTGTCTGCCAAAGGCTGGCACCTGCTGCCTGCCTCATCACATCCCTT
 GGACAGAGGGAGCTGTGGGTGGGGTGGAGAACCCATTGTGGAACCCAAACTTGCCAGGAGGCTGAGGG
 ATCTGCTGAACCCAGCTACCCCTTCTTCCGTCCTCCCATCCTGTGAAGGAGCCTCACTTCCCTCG
 GAGGAGGCAAGCGCTCCTGACATCTACCTGCCTACCCACACCCGCTGCTGGCAGCTGGGTGACCGTCC
 CTGAGCCAGCCCCACCCTGGAGAGCAGCGCAGTTCTCTGGGCAAGAGGCCACCCAGCAGCGAGGACGA
 AGACACGACCCAGGCAACATCAGGAGTCTTACCAGCTGTCCAGTGACGGCCACACACGGAGAAGTCA
 GGCATAGTACCAGCTTGCAGTCTGCAGAAGCAGGTGGGACCCCTGACTCCCTGGACTCTCTGGACA
 TACCGTCTCAGCCAGTGTGGTGGCTGTGAGGCTTAAGCCATCAGCTGCTGGTCCACCTGGCGGGCA
 GCCCGTGCCTGGACAGTGGCTATGATACAGAGAACTATGAGTCTCCTGAGTTTGTCTCAAGGAGGCC
 CATGAGTCGAGTGAAGCTGAGGCCCTTGGGGAGCCAGCCTCAGAGGGTGAGAGCCAGGGCCCGATCCTC
 TGCTCTGTCTCCCTTGGTGGCCTCAGCAAGAAGAGCCCTACCCAGACTCTGCCTACTTTTACAGCT
 GGATGCCGAGTCCGAACCCACCTTTGGCCCTGAGAAGCACAGTGGGATCCAGGACTCCAAAAGGAGCAA
 GACCTGAGGAGCCACCTAGCCAGGGCATCAGTCTGTGCAGGCTTTTCCAGGTCTGCAGTGTCCAGCG
 AGGTGCTGTCCCTCCACAGCAGTCAAGGAGCCCTTCCAGAAAGTCCCAAGTCCCAAGTGTTCCTGACTCCGTT
 TCAAGGCCAGTTGGAGTGCAGCCTGTGCCCGCCCAAGTCAATCCAAATGTTTCCCGTGCCTCCGTT
 CCACTGATCTCAGAAGGCAGTGGCACGGAGCCCAAGGTCCTCAGGACAGCTGTAGGGGAGCCAGC
 AGGGGAGATGGCAATCCTAGCACACCCAGATCCCGCTCTGCCTGGCCCTGCCTGGCCACCCCGGGC
 TTTGGAGGGCCGGCCGAGGAGGATGAGGACACCGAGGACAGCGAGGAGTCTGATGAGGAGCTCCGGTGC
 TACAGCGTCCAGGAGCCAGTGAAGACAGCGAGGAGGAGCCGACGCGGTGCCCGTGGTGGTGGCTGAGA
 GCCAGAGTGGCCGAAATCTACGCAGCCTGCTGAAGATGCCAGCCTGCTGTGAGAGCCTTCTGTGACGA
 CCTGGAGCGCAAGAAGAAGGCTGTGTCTTCTTCGATGATGTACGGTCTACCTCTTGGACAGGAAAGC
 CCCACCCGAGAGACTGGGAGCCCTTCCAGCACAAAGGAATCACTCCCTACGTTCTGGAGGGTGGCC
 CCAGCTACCCAGTGCCACCGCCCTGCCACTGCGGGCTGGCCACTCTCCTGACAGCTCTGCTCCTGAACC
 AGGCAGTAGGTTTGAATGGGATGGTGATTTCCCGTTGGTCCCGCAAGGCTGCTTTGGTACTGAGCTG
 GATCCTGCTGACCTGTCTGGCGGCGCTCCACGCCAGCTGCGCCCTTCTCACGCTTACCGTGTAC
 CCACACCTGCCTCCCGCTTTCCATACCCACATATCTGACTCAGATGCCAGTCCGTGGGAGGCCAGC
 AGCAGGTGCTGGGGCCGATACACAGAGGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_007377
- 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).
- 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_007377.4](#), [NP_031403.2](#)

RefSeq Size: 5706 bp

RefSeq ORF: 3954 bp

Locus ID: 11302

UniProt ID: [Q80YE4](#)

Cytogenetics: 11 E2

Gene Summary: May be involved in neuronal differentiation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1. Variants 1 and 3 encode the same protein (isoform 1).