

Product datasheet for **MC229571**

Aatk (NM_001198785) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aatk (NM_001198785) 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: >MC229571 representing NM_001198785
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCATCGCGTCTGGCCCTGGCCATGTCGTCTCTTCAACCCAGCTTTGCCTTCAGCTCCC
ACTTCGACCCGGACGGTGCCCGCTCAGTGAGCTGTCTGGTCTCGTCCCTCGCGGTGGTAGCCGTGTC
CTTCTCTGGAATCTTCACTGTCGTATCCTCATGCTGGCCTGCCTGTGTGTAAGAAGGGCGGCATCGGG
TTCAAGGAGTTTGAAGTGTGAAGGGGACGAGTATGTGGCCGACTTCTCGGAGCAGGGCTCCCCGGCTG
CAGCTGCACAGACCGGCCCGATGTGTATGTCCTGCCCTCACCGAGGTCTCCTTACCCATGGCCAAAGCA
GCCGGTTCGCTCCGTGCAACTTCTCAAGTCCACGGACCTGGGCGGCACAGCCTCCTGTACTTAAAGGAG
ATTGGCCACGGCTGGTTTGGGAAGGTGTTTTGGGGGAGGTACACTCGGGCGTCACTGGCAGCAGGTGG
TGGTGAAGGAGCTGAAGGTGAGCGCCAGCGTGCAGGAGCAGATGCAGTTCCTGGAGGAGGCGCAGCCCTA
CAGGGCCCTGCAGCACAGCAACCTGCTCCAGTGCCTGGCCAGTGTGCTGAAGTGACCCCTACCTGCTG
GTTATGGAGTTCTGTCCACTGGGGACCTCAAAGGTTATCTACGGAGTGCCTGGTGCAGAGTCCATGG
CGCTGACCCACTTACCTTGACGCGCATGGCGTGCAGGTTGGCGTGTGGCTTTGCATCTACATCGACA
CAACTATGTACACAGTGACCTGGCCCTGAGGAATGCCTGCTTACGGCTGACCTGACAGTGAAGGTTGGT
GATTATGGCCTGTGCGATTGCAAATACAGGGAAGACTATCTCGTGACCGTGCACAGCTGTGGGTGCCGC
TGCGCTGGATCGCGCCAGAGCTGGTGGACGAGGTTACGGCAACCTGCTGGTGGTGGACCAGACCAAGAG
CAGCAACGTGGTCCCTGGGTGTGACCATCTGGGAGCTTTTCGAGTTGGGTGCGCAGCCGTACCCCCAG
CACTCGGACGGGAGGTGCTGGCTTACGCCGTCGGGAGCAGCAGCTTAAAGTTGCCCAAGCCCCAGCTGC
AGCTGGCTCTATCTGATCGATGGTACGAGGTGATGCAGTCTGCTGGCTGCAGCCAGAGCAGAGGCCAC
AGCTGAAGAGGTTCACTACTGCTGTCTACTTGTGTGCTAAGGGCACCACAGAATTGGAGGAGGATTT
GAGCGGCGCTGGCGCTCCCTGCGGCCCGGGGAGCAGCAGGCTGGGCTCGGGTTCTGCAGCCCCAGCAG
CTGCCACCGCCGCTCCGCGGAGCTCACCGCTGCCTCGTCTTCCGCTGCTGGAGCGGTTACCCAGCGA
CGGCTTTCAGTGGACAGTGATGACGTGCTGACGGTACGGAGACAAGCCACGGCCCTCAACTTTGAATAC
AAGTGGGAGGCTGGCTGTGGCGTGAAGGATACCCACCCTCGGGGCTGCATCAAGCCCAGGCTCGGCAG



CGCGCCTGCAGGAGTTGTGCGCGCCTGACAGTTCACCGCCGGGTGTGGTGCCAGTCTCAGTGCCACAG
 CCCCTCAGTGGTAGCGAGTACTTCATCCGCTGGAGGGGCGAGTGCCTGCTGCTGGCCACGATCCAGAC
 TGTGCCGCTGCGCTCCCAGCCCCAGGCTGTGACTGACCAGGACAATAACTCTGAGGAGAGCACTGTTG
 CGTCCCTTGCCATGGAGCCATTGCTGGGCCATGCACCCCAACTGAGGGTCTGTGGGGCCCTGTGACCA
 CCATTCACATAGGAGGCAAGGGTACCCTGTCCCTCACGCTCACCTCTCCTGGGACCCCGATGTTGCCA
 GCTGAAGACATAGACTGGGGTGTGGTACCTTCTGCCCGCCCTTTTGTGATGACCCACTGGGTGCATCTC
 CCTCGGGGAGTCTGGGGCCAGCCCTCCCCAGTGTGATGAGGAGCCAGAGGAGGGGAAGGTGGGTTGGC
 CGCTCAGTGTGGACACTGGAGCTTAACATGTACGCTAACAAACAGTGCCAGTCGCGACCCAGAATCC
 TGGGATCCTGGCTATGTTAGCAGCTTACAGACAGCTACAGGGACGACTGCTCCAGCTTAGAGCAGACCC
 CTCGAGCCTCCCCTGAGGTGGGCATCTCCTGTCCAGGAGGATCCCAGAGATTTTCTCCCTGGGCTAGT
 AGCAGTCTCCCCTGGTACAGGAGCAAGCCGTCCCTTCAACCTGCTCCCCCTGTGCTCCTGCCAAAGGCCTG
 GCACCTGTGCCTGCCTCACATCCCCTTGGACAGAGGGAGCTGTGGTGGGGCTGAGAACCCCATTTG
 TGGAACCCAAACTGCCAGGAGGCTGAGGGATCTGCTGAACCCAGCTACCCCTCCTTCCGTCGCCCTC
 CCCATCCTGTGAAGGAGCCTCACTTCCCTCGGAGGAGCAAGCGCTCCTGACATCCTACCTGCCTCACCC
 ACACCCGCTGCTGGCAGTGGGTGACCGTCCCTGAGCCAGCCCCACCCTGGAGAGCAGCGGCAGTTCTC
 TGGGGCAAGAGGCACCCAGCAGGAGGACGAAGACACGACCGAGGCAACATCAGGAGTCTTACCAGACT
 GTCAGTACGCGCCACACACGGAGAAGTCAGGCATAGTACCAGCCTTGCAGCTGTCAGAAGCAGGTG
 GGGACCCCTGACTCCCTGGACTCTCTGGACATACCGTCTCAGCCAGTGTGGTGGCTGTGAGGTCTTAA
 GCCCATCAGTGTGGTCCACCTGGCGGGCAGCCCCGTGCCGTGGACAGTGGCTATGATACAGAGAATA
 TGAGTCTCCTGAGTTTGTCTCAAGGAGGCCATGAGTCGAGTGAAGCCTGAGGCCCTTGGGGAGCCAGCC
 TCAGAGGGTGAGAGCCAGGGCCGATCCTCTGCTCTCTGCTCCCTTGGTGGCCTCAGCAAGAAGAGCC
 CCTACCGAGACTGCTACTTTTTCAGACCTGGATGCCGAGTCCGAACCCACCTTTGGCCCTGAGAAGCA
 CAGTGGGATCCAGGACTCCAAAAGGAGCAAGACCTGAGGAGCCACCTAGCCAGGGCATCAGTCTGTG
 CAGGCTTTTCCAGGTCTGCAGTGTCCAGCGAGTGTGTCCTCCACAGCAGTCAGAGGAGCCCTTGC
 CAGAAGTCCCCAGCCAGAGCCTCTCGGGCTCAAGGCCAGTTGGAGTGCAGCCTGTGCCCGGCCAAAG
 TCATTCCAAATGTTTCCCGCTGACCTCCGTTCCACTGATCTCAGAAGGCAGTGGCACGGAGCCCCAGGGT
 CCCTCAGGACAGCTGTCAGGGCAGCCAGCAGGGCAGATGGGCAATCTAGCACACCCAGATCCCCGC
 TCTGCCTGGCCCTGCCTGGCCACCCGGGGCTTTGGAGGGCCGGCCGGAGGAGGATGAGGACACCGAGGA
 CAGCGAGGAGTCTGATGAGGAGCTCCGGTGTACAGCGTCCAGGAGCCAGTGAAGACAGCGAGGAGGAG
 CCGCCAGCGGTGCCCGTGGTGGTGGCTGAGAGCCAGAGTCCCGAAATCTACGCAGCCTGCTGAAGATGC
 CCAGCCTGCTGTCAGAGCCTTCTGTGACGACCTGGAGCCGAAGAAGAAGGCTGTGCTCTTTCGATGA
 TGTACCGTCTACCTCTTTGACCAGGAAAGCCCCACCCGAGAGACTGGGGAGCCCTTCCAGCACAAAG
 GAATCACTCCCTACGTTCTGGAGGGTGGCCCCAGCTACCCAGTGCACCCGGCCTGCCACTGCGGGCTG
 GCCACTCTCCTGACAGCTCTGCTCCTGAACCAGGCAAGTTCGAATGGGATGGTGATTTCCCGTTGGT
 GCCCGGAAGGCTGCTTTGGTACTGAGCTGGATCCTGCTGACCTGTCTGGCGGCCTCCCACGCCA
 GCTGCGCCCTTCTACGCTTACCGTGTACCCACACCTGCCTCCCGCTTTTCCATCACCCACATATCTG
 ACTCAGATGCCAGTCCGTGGGAGGCCAGCAGCAGGTGCTGGGGCCGATACACAGAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001198785

Insert Size:

4125 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_001198785.1</u> , <u>NP_001185714.1</u>
RefSeq Size:	5423 bp
RefSeq ORF:	4125 bp
Locus ID:	11302
UniProt ID:	<u>Q80YE4</u>
Cytogenetics:	11 E2
Gene Summary:	<p>May be involved in neuronal differentiation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and contains an in-frame upstream start codon compared to variant 1. This variant encodes a protein (isoform 2) with a longer N-terminus than isoform 1.</p>