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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224214 representing NM_007377
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGCCTGCCTGTGTTGTAAGAAGGGCGGCATCGGGTTCAAGGAGTTTGAGAATGCTGAAGGGGACG
AGTATGTGGCCGACTTCTCGGAGCAGGGCTCCCCGGCTGCAGCTGCACAGACCGGCCCCGATGTGTATGT
CCTGCCCCTCACCGAGGTCTCCTTACCCATGGCCAAGCAGCCGGGTCGCTCCGTGCAACTTCTCAAGTCC
ACGGACCTGGGCCGGCACAGCCTCCTGTACTTAAAGGAGATTGGCCACGGCTGGTTTGGGAAGGTGTTTT
TGGGGGAGGTACACTCGGGCGTCAGTGGCACGCAGGTGGTGGTGAAGGAGCTGAAGGTGAGCGCCAGCGT
GCAGGAGCAGATGCAGTTCCTGGAGGAGGCGCAGCCCTACAGGGCCCTGCAGCACAGCAACCTGCTCCAG
TGCCTGGCCCAGTGTGCTGAAGTGACCCCCTACCTGCTGGTTATGGAGTTCTGTCCACTGGGGGACCTCA
AAGGTTATCTACGGAGCTGCCGGGTGACAGAGTCCATGGCGCCTGACCCACTTACCTTGCAGCGCATGGC
GTGCGAGGTGGCGTGTGGCGTCTTGCATCTACATCGACACAACTATGTACACAGTGACCTGGCCCTGAGG
AACTGCCTGCTTACGGCTGACCTGACAGTGAAGGTTGGTGATTATGGCCTGTCGCATTGCAAATACAGGG
AAGACTATCTCGTGACCGCTGACCAGCTGTGGGTGCCGCTGCGCTGGATCGCGCCAGAGCTGGTGGACGA
GGTTCACGGCAACCTGCTGGTGGTGGACCAGACCAAGAGCAGCAACGTGTGGTCCCTGGGTGTGACCATC
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TCCGGGAGCAGCAGCTTAAGTTGCCCAAGCCCCAGCTGCAGCTGGCTCTATCTGATCGATGGTACGAGGT
GATGCAGTTCTGCTGGCTGCAGCCAGAGCAGAGGCCCACAGCTGAAGAGGTTCATCTACTGCTGTCCTAC
TTGTGTGCTAAGGGCACCACAGAATTGGAGGAGGAGTTTGAGCGGCGCTGGCGCTCCCTGCGGCCCGGGG
GCAGCACGGGCCTGGGCTCGGGTTCTGCAGCCCCAGCAGCTGCCACCGCCGCCTCCGCGGAGCTCACCGC
TGCCTCGTCTTTCCCGCTGCTGGAGCGGTTCACCAGCGACGGCTTTCACGTGGACAGTGATGACGTGCTG
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ACCCACCCTCGGGGGCTGCATCAAGCCCAGGCTCGGCAGCGCGCCTGCAGGAGTTGTGCGCGCCTGACAG
TTCACCGCCGGGTGTGGTGCCAGTCCTCAGTGCCCACAGCCCCTCAGTGGGTAGCGAGTACTTCATCCGC
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CTGGAGGGGGCAGTGCCTGCTGCTGGCCACGATCCAGACTGTGCCGGCTGCGCTCCCAGCCCCCAGGCTG
TGACTGACCAGGACAATAACTCTGAGGAGAGCACTGTTGCGTCCCTTGCCATGGAGCCATTGCTGGGCCA
TGCACCCCCAACTGAGGGTCTGTGGGGCCCCTGTGACCACCATTCACATAGGAGGCAAGGGTCACCCTGT
CCCTCACGCTCACCCTCTCCTGGGACCCCGATGTTGCCAGCTGAAGACATAGACTGGGGTGTGGCTACCT
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CAGTGATGAGGAGCCAGAGGAGGGGAAGGTGGGGTTGGCCGCTCAGTGTGGACACTGGAGCTCTAACATG
TCAGCTAACAACAACAGTGCCAGTCGCGACCCAGAATCCTGGGATCCTGGCTATGTTAGCAGCTTCACAG
ACAGCTACAGGGACGACTGCTCCAGCTTAGAGCAGACCCCTCGAGCCTCCCCTGAGGTGGGCCATCTCCT
GTCCCAGGAGGATCCCAGAGATTTTCTCCCTGGGCTAGTAGCAGTCTCCCCTGGTCAGGAGCCAAGCCGT
CCCTTCAACCTGCTCCCCCTGTGTCCTGCCAAAGGCCTGGCACCTGCTGCCTGCCTCATCACATCCCCTT
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GAGGAGGCAAGCGCTCCTGACATCCTACCTGCCTCACCCACACCCGCTGCTGGCAGCTGGGTGACCGTCC
CTGAGCCAGCCCCCACCCTGGAGAGCAGCGGCAGTTCTCTGGGGCAAGAGGCACCCAGCAGCGAGGACGA
AGACACGACCGAGGCAACATCAGGAGTCTTCACCGACCTGTCCAGTGACGGCCCACACACGGAGAAGTCA
GGCATAGTACCAGCCTTGCGCAGTCTGCAGAAGCAGGTGGGGACCCCTGACTCCCTGGACTCTCTGGACA
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GCCCCGTGCCGTGGACAGTGGCTATGATACAGAGAACTATGAGTCTCCTGAGTTTGTGCTCAAGGAGGCC
CATGAGTCGAGTGAGCCTGAGGCCTTTGGGGAGCCAGCCTCAGAGGGTGAGAGCCCAGGGCCCGATCCTC
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GGATGCCGAGTCCGAACCCACCTTTGGCCCTGAGAAGCACAGTGGGATCCAGGACTCCCAAAAGGAGCAA
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AGGTGCTGTCCCCTCCACAGCAGTCAGAGGAGCCCTTGCCAGAAGTCCCCAGGCCAGAGCCTCTCGGGGC
TCAAGGCCCAGTTGGAGTGCAGCCTGTGCCCGGCCCAAGTCATTCCAAATGTTTCCCGCTGACCTCCGTT
CCACTGATCTCAGAAGGCAGTGGCACGGAGCCCCAGGGTCCCTCAGGACAGCTGTCAGGGCGAGCCCAGC
AGGGGCAGATGGGCAATCCTAGCACACCCAGATCCCCGCTCTGCCTGGCCCTGCCTGGCCACCCCGGGGC
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TACAGCGTCCAGGAGCCCAGTGAGGACAGCGAGGAGGAGCCGCCAGCGGTGCCCGTGGTGGTGGCTGAGA
GCCAGAGTGCCCGAAATCTACGCAGCCTGCTGAAGATGCCCAGCCTGCTGTCAGAGGCCTTCTGTGACGA
CCTGGAGCGCAAGAAGAAGGCTGTGTCCTTCTTCGATGATGTCACGGTCTACCTCTTTGACCAGGAAAGC
CCCACCCGAGAGACTGGGGAGCCCTTTCCCAGCACAAAGGAATCACTCCCTACGTTCCTGGAGGGTGGCC
CCAGCTCACCCAGTGCCACCGGCCTGCCACTGCGGGCTGGCCACTCTCCTGACAGCTCTGCTCCTGAACC
AGGCAGTAGGTTCGAATGGGATGGTGATTTCCCGTTGGTGCCCGGCAAGGCTGCTTTGGTGACTGAGCTG
GATCCTGCTGACCCTGTCCTGGCGGCGCCTCCCACGCCAGCTGCGCCCTTCTCACGCTTCACCGTGTCAC
CCACACCTGCCTCCCGCTTTTCCATCACCCACATATCTGACTCAGATGCCCAGTCCGTGGGAGGCCCAGC
AGCAGGTGCTGGGGGCCGATACACAGAGGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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).

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