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# Product datasheet for SC333284

## AATK (NM_004920) Human Untagged Clone

### Product data:

**Product Type:** Expression Plasmids

**Product Name:** AATK (NM_004920) Human Untagged Clone

**Tag:** Tag Free

**Symbol:** AATK

**Synonyms:** AATYK; AATYK1; LMR1; LMTK1; p35BP; PPP1R77

**Vector:** pCMV6-Entry (PS100001)

**Fully Sequenced ORF:**

>SC333284 representing NM_004920.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCAAGCAGCCTGGGCGCTCAGTGCAGCTCCTCAAGTCCACAGACGTGGGCCGGCACAGCCTCCTG
TACCTGAAGGAAATCGGCCGTGGCTGGTTCGGGAAGGTGTTCCTGGGGGAGGTGAACTCTGGCATCAGC
AGTGCCCAGGTGGTGGTGAAGGAGCTGCAGGCTAGTGCCAGCGTGCAGGAGCAGATGCAGTTCCTGGAG
GAGGTGCAGCCCTACAGGGCCCTGAAGCACAGCAACCTGCTCCAGTGCCTGGCCCAGTGCGCCGAGGTG
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GTGGCGGAGTCCATGGCTCCCGACCCCCGGACCCTGCAGCGCATGGCCTGTGAGGTGGCCTGTGGCGTC
CTGCACCTTCATCGCAACAATTTCGTGCACAGCGACCTGGCCCTGCGGAACTGCCTGCTCACGGCTGAC
CTGACGGTGAAGATTGGTGACTATGGCCTGGCTCACTGCAAGTACAGAGAGGACTACTTCGTGACTGCC
GACCAGCTGTGGGTGCCTCTGCGCTGGATCGCGCCAGAGCTGGTGGACGAGGTGCATAGCAACCTGCTC
GTCGTGGACCAGACCAAGAGCGGGAATGTGTGGTCCCTGGGCGTGACCATCTGGGAGCTCTTTGAGCTG
GGCACGCAGCCCTATCCCCAGCACTCGGACCAGCAGGTGCTGGCGTACACGGTCCGGGAGCAGCAGCTC
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CTGCAGCCCGAGCAGCGGCCCACAGCCGAGGAGGTGCACCTGCTGCTGTCCTACCTGTGTGCCAAGGGC
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GCCTTCTGTCCTGCCTTCTTCGAGGACCCACTGGGCACGTCCCCTTTGGGGAGCTCAGGGGCGCCCCCG
CTGCCGCTGACTGGCGAGGATGAGCTAGAGGAGGTGGGAGCGCGGAGGGCCGCCCAGCGCGGGCACTGG
CGCTCCAACGTGTCAGCCAACAACAACAGCGGCAGCCGCTGTCCAGAGTCCTGGGACCCCGTCTCTGCG
GGCGGCCACGCTGAGGGCTGCCCCAGTCCAAAGCAGACCCCACGGGCCTCCCCCGAGCCGGGGTACCCT
GGAGAGCCTCTGCTTGGGCTCCAGGCAGCCTCTGCCCAGGAGCCAGGCTGCTGCCCCGGCCTCCCTCAT



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CTATGCTCTGCCCAGGGCCTGGCACCTGCTCCCTGCCTGGTTACACCCTCCTGGACAGAGACAGCCAGT
AGTGGGGGTGACCACCCGCAGGCAGAGCCCAAGCTTGCCACGGAGGCTGAGGGCACTACCGGACCCCGC
CTGCCCCTTCCTTCCGTCCCCTCCCCATCCCAGGAGGGAGCCCCACTTCCCTCGGAGGAGGCCAGTGCC
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CTCGAGGCTGAGGCCGAGGCCACCTCAGGCCCAGAGAAGAAGTGCGGCGGGGACCGAGCCCCCGGGCCA
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GCACAAGGCTCTGGCCCCGGGGAGGTGCTGCCCCCACTGCTGCAGCTTGAAGGGTCCTCCCCAGAGCCC
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CCCAGCCCCAGCTGCTCCCAGTTTTTCCTGCTGACCCCGGTTCCGCTGAGATCAGAAGGCAACAGCTCT
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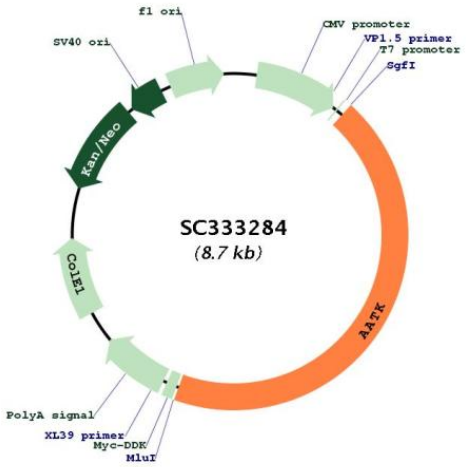
TGGGACGACGACTTCCCGCTGATGACGGCCAAGGCAGCCTTCGCCATGGCCCTAGACCCGGCCGCACCC
GCCCCGGCTGCGCCCACGCCCACGCCCGCTCCCTTCTCGCGCTTCACGGTGTCGCCCGCGCCCACGTCC
CGCTTCTCCATCACGCACGTGTCTGACTCGGACGCCGAGTCCAAGAGAGGACCTGAAGCTGGTGCCGGG
GGTGAGAGTAAAGAGGCTTGA

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**




**ACCN:** NM_004920

**Insert Size:** 3816 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_004920.2 |
| **RefSeq Size:** | 5105 bp |
| **RefSeq ORF:** | 3816 bp |
| **Locus ID:** | 9625 |
| **UniProt ID:** | Q6ZMQ8 |
| **Cytogenetics:** | 17q25.3 |
| **Protein Families:** | Druggable Genome, Protein Kinase |
| **MW:** | 133.8 kDa |
| **Gene Summary:** | The protein encoded by this gene contains a tyrosine kinase domain at the N-terminus and a proline-rich domain at the C-terminus. This gene is induced during apoptosis, and expression of this gene may be a necessary pre-requisite for the induction of growth arrest and/or apoptosis of myeloid precursor cells. This gene has been shown to produce neuronal differentiation in a neuroblastoma cell line. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]<br>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1. |