

Product datasheet for **SC315882**

AATK (NM_001080395) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AATK (NM_001080395) Human Untagged Clone
Tag: Tag Free
Symbol: AATK
Synonyms: AATYK; AATYK1; LMR1; LMTK1; p35BP; PPP1R77
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001080395 edited
 ATGACGCAGAATGGGCCAAGGAGCTGGCTCTGCCACCTGTCCCGCTGGCCTGGCAGGTG
 ACGGTGCTGGATGTGGCCTTTTTCCTTTTCTAAAGCCACATTTTCCAGCCATTCAAC
 CTTCAGAGCCCTCTGAAGTGGCCACAGGCCCATCAACCAGACCCGGCTGGCCCCGGG
 CAGCAGGCTCTTAAGGATTCTGGGAGCTCCGGAGGTGGTGTGGCCACCAGGTGAAGGTC
 CAAGGCTGCTGGGGCAGATGGCGGTGGCAGGAGTTGAGAATGCGGAGGGGGACGAGTAC
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CTGAGCCCTGGCCGCACCGCACGCCTCCAGGAGCTGTGCGCCCCGACGGCGCGCCCCG
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ACCCCTTGCTGGTTCCTGGTGGCTCAGGGCAAGGAGTGGCCCTGGGCGCCCGTGTCCGGTC
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ATTTGTTTTGTGTTTTGTTGAGGCTTAGAACGCTGGTGAATGTTTTCTGTTCCTTGT
TTTTTAAGAGAAATTAAGCTAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_001080395
- 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:** The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
- 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_001080395.1](#), [NP_001073864.1](#)
- RefSeq Size:** 5843 bp
- RefSeq ORF:** 4206 bp
- Locus ID:** 9625
- UniProt ID:** [Q6ZMQ8](#)
- Cytogenetics:** 17q25.3
- Protein Families:** Druggable Genome, Protein Kinase

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).