

Product datasheet for **RN217230**

Atmin (NM_001191786) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atmin (NM_001191786) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atmin
Synonyms:	Asciz; RGD1305781
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217230 representing NM_001191786
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCACGGAGCGCGCGCGCTGAGTCTCGCGGTCCGGCCCCGGGTGCCGGTACGCCGGCGA
 GCACGCGGGGAGCCGCCCGCCTCAAGCCCGTGGAGCCGTTCGAGTTCGCGACTGCAAGGCAGTCGACC
 CGGACTGGCCAGGGCTCGGGCCGCGGCCCGGTGCCACCGGCCGGGAGCTGATCCAGCCGCTCTGTGAGC
 GAGCTGTCCCGGGCTGTGCGCACCAATATTCTGTGCACTGTGCGCGGTGCGGCAAGATCTGCCCAACA
 GTCCTGCGCTCAACATGCACCTAGTCAAGAGCCACCGACTGCAGGATGGCATAAGTAAATCCAACAATAAG
 AAAAGATTGAAAAGTACCGAAATCTACTGTTGTCCAATCAAAGGATGCCCTCGAGGCCCTGACAGA
 CCATTTTCTCAGTTTTCTGGTAAACAGCAGTTTATGAAAATGCATGCGGAGAAGAAGCACAAAGTGCA
 GTAAGTGCAGTAACCTATGGCACCGAGTGGGACCTGAGAAGACACGAGGAAGATTGTGGCAAGACCTT
 CCAGTGTACGTGTGGCTGTCCCTATGCCAGCAGAACCGCACTGCAGTCTCACATCTACCGACTGGCCAC
 GAGATCCCTGCAGAACACAGAGACCCACCTAGTAAAAAAGGAAGATAGAAAGCCAAACGCTGTCCACTA
 AAACATTGGACCACTGGGTGACCAACAGCCCTCGCCAAGATGCCATGAGCCACGTGCTTCGGAAAGT
 GAAGTAGCAGCCTCCCTTGAAGACTCTTGTAGCTCCACACCAAAAAGCAGAGCTTCCCAACGCCTCCT
 AGGTGCCCCAGAAAGCTGCTTCTACAAAGCCAAAGGTGGCTCTGGTTAAACTCCAGTCATGCAGTTTT
 CCCCTGTGCCTGTCTTTGTGCCTACAGCGGACTCCTCGGCCAGCCCGTGGTGTAGGTGTGGATCACAG
 TTCTGCAGCGGTGTGTGCACTTAGTACCCTGTGAGTAGGAACCTTGATCCTCAGCCTGGATTACAGAG
 GCCTGCTCTGAAGGAGAGCCTACCTCTCAAAAATATCAGTCTGTGTCGAGCCAATGAATACAG
 GTGTTCCAGTGAACCTGGGCAAAAGTCTGTGTCCTTTGCAAGAGGGCGGGAGTGTGTGCAGAAAGAA
 CAGCATTTCTCAGCCAACGTGCAGACAGATCTGTCATATGCCTCAGCCAACCTGATACCCTCTGCTCAG
 TGGCTTGCCCGACTCCTCTGTGTCATCGTGTCTCAGACTGACCTGTCCCTTGATTCTCAAGTGTCCC
 TTCCTGTAGTGTCCACCCAGACGTTGGTGCCAGCTCAAGGTCACTTCATCCATAGCTGCCAGAC
 AGATGCGTTTCTAGACGCTGTTCCAGCCAGTGGGTCTCCAGAGAAACCCAAACCTGTAGGATACAA
 AACCGCACAGATGACCCAGTGCCGGTAGGCCACCTGGGTGTGTGGGACATTTTTGAAGGCGTCCATT
 CGTCATATGGTGTGCCAGCACAACATCATGAGTAGCAGTTTAGTTGCAGAGACAGTAACACAGTCT
 GGTACCTCAGAGTGACCCCAAGATCCTAAGCCAAGTCATGAAAAGTCTGCGCCCGTGTAAACTCAGT
 GCCAGAACAGCATGCTTCTTCAAAAACATGACCGATAAACCAGACCCAAACCATAGATCTACTGAGTG
 ACCTAGAAAACATCTTGTCCAGTAATCTGCCAGGCCAAACGCTGGATAAACCAGGAGTCTTGTCTGACAC
 AAACCCCGGGCCTGACGCCAGCTCCCATCAGGTTGAGCGCAGAACTCCGGGATTGATTTGATATTGAA
 GAGTTCCTCTCAGCCTCAAAATCCAGACTCAGACTGAGGAGAGTGAACCTCAGCTCCATGAGCACTGAGC
 CCGTCTTGGAGTCCCTGGACATCGAGACACAGACTGACCTCTTCTGTCCGATCCCTGCACACAGCCCTA
 TGGGCTCAGGGCAGGTTCCGGTTTCTGGGCTCGAGATGTTTGACACACAGACCCAGACAGACTTGAAC
 TTCTTCTGGACAGCAGTCTCACCTGCCCTGGGCGCATCCTGAGACTCTAGCTTCTCCATGAGCA
 CCGACTCCTCTGACACAGAAACCCAAACGGAAGGGCCTCCAGCTCGACATGCACCCACGCTGGAGAG
 CAAGTCCAGCTGAGCAGCACAGAAACACAGACCATGAGTCTGGCTTCGAGCCCTGGGAACTTGTTTC
 CTCACCAGCAACGAGACTCAGACAGCAATGGATGACTTCTTCTAGCTGATTTGGCCTGGAATACGATGG
 AGTCCAGTTCAGTTCTGTGAAAACCCAGACATGCGCAGAGCTGCATGCTGTCTCCAGCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001191786
Insert Size: 2445 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_001191786.1, NP_001178715.1</u>
RefSeq Size:	4799 bp
RefSeq ORF:	2445 bp
Locus ID:	315037
Cytogenetics:	19q12