

## Product datasheet for MC205283

### Atmin (NM\_177700) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atmin (NM_177700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atmin
Synonyms:	Asciz; gpg6; mKIAA0431
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC060631

```

TGCGGGCCGTGCGGGAGCCATGGCGGCCACGGAGCGGGCGGGCCGATTCTGCGGGTCCGGCCCCGGGT
GTCCCGGCCACGCCGGCAGCACGCGGGAGCCGCCGCCCTCTAGCCCGTGGAGGCCGCCGAGTCGC
GACTGCAAGGCAGCCGGCCGAGACCGGCCAGGGCTCGGGCCGCGGCCCGGTGCCACCGGCCGGAGCT
GATCCAGCCGACTGTGAGCGAGCTGTCCGGGCTGTGCGCACCATAATTCTGTGACCCGTGCGCGCTGC
GGCAAGATCCTGCCAACAGCCCTGCGCTCAACATGCACCTCGTCAAGAGCCACCAGTGCAGGATGGCA
TAGTAAACCCGACAATAAGGAAAGACTTGACAACGCACCGAAATTTACTGTTGCCAATCAAAGGATG
TCCTCGAGGCCCGACCGACCGTTTTCTCAGTTTTCTCTGGTTAAACAGCACTTTATGAAAATGCATGCA
GAGAAGAAGCACAATGCAGTAAGTGCAGTAATCCTACGGCACCAGTGGGACCTGAAAAGACACGAGG
AGGATTGTGGCAAGACCTTCCAGTGTACGTGCGGCTGTCCCTACGCCAGCAGAACCAGTGCAGTCTCA
CATCTACCGAAGTGGCCACGAGATCCCTGCAGAGCACAGAGACCCACCTAGTAAAAAAGGAAAAATGGAA
AGCTACCTGCAAAACAAAAGTTGTCCAGTAAAACCACTGAACCACTGAGCGACCAAGCAGCCCCGCGCC
AAGATGCTGCTGAACCGGATGCTCCGGAGGTCAAGCCTGCAGCATCCCTCGAAGACTCCTGTAGCGCCCA
CACAAAAAGCAGAGCGTCCGCGACGCTCCCGGTGTCCCCAGAAAGTTGCTGTTACCAAAGCCAAAGGTG
GCTCTGGTTAAACTCCCAGTCAATGCAGTTTTCCCGGTGCTGCTTTGTGCCTACAGCGGAGTCCCTCGG
CCCAGCTGTGGTGTAGGTGTGGATCACAGTTCTGCAGCCGGTACTGTGCACCTAGTACCTCTGTCCGT
AGGAGCCCTGATCCTCAGCCTGGACTCAGAGCCCTGCTCTCTGAAGGAGAGCCTACCTCTCTAAAAATT
ATCAGTCTGTTGTTGAGCCAATGAATACAGGTGTTCAAGTGAACCTGGGTAAGGAGCCTGTGTAGTCCTT
TACAAGAGGTAGGGAGTGTGTGTCAGAGGACCAAGCATTTCCTCAAGCAACGTGCAGACAGATCTGACCTA
TGCTCAGCCAACTTGATACCCTCTGCTCAGTGGCTCGGCCCTGATTCTCTGTGTCATCGTGTCTCAG
ACTGACCTGTGCTTTGATTCTCAAGTGTCCCTTCTGTTAGTGTCCACACCCAGACGTTGGTGCCAGCT
CTAAGGTCACTTCATCCATAGCTGCTCAGACAGATGCATTTATAGACGCTGTTCCAGCCTGGTGGGGT
CTCCAGGGAAACCCAGACCAGCAGGATGCAGAACCAGCACAACGACTCAGTGCCAGTGGGCCACACTGGC
TTGTGTGGGGACATTTTTGAAAGCGTGCATGCGTCATACAGTGTGCTACTGACACCATCATGAGTAGCA
GCTTAGTTGCAGAGACAGGGACTCATGGTCTGCCACCTCAGAGTGACCCTAAGATCTTAGGCCAAGTCAT
GGAAAAGTCTGCACCCGTGTTAAACTTCAGCACCCAGAACGGCTTGCTTCTGCACACCATGACAGAT
AATCAGACCCAAACCATAGATCTGCTGAGCGACTTGAAAACATCTTGTCAGTAACCTGCCAGGTCAA

```



[View online »](#)

CACTGGATAACCGGAGTCTCTTGTCCGACACCAACCCCGACCTGACGCCAGCTCCCAGCTGGCTCAGC  
 GCAGAATTCTGGGATTGATTTTATATTGAAGAGTTCTCTCAGCCTCCAATATCCAGACTCAGACTGAG  
 GAGAGTGAGCTCAGCTCCATGAGCACTGAGCCGGTCTGGAGTCCCTGGACATCGAGACGCAGACCGACG  
 TCCTCCTCTCAGATCCCTCCACACAGCCCTATGGCTTCAGAGCGGGGTGAGGCTTCTGGGCCTTGAGAT  
 GTTCGACACACAGACACAAACAGACTTAAACTTCTTCTTAGACAGTAGTCTCACCTGCCCTGGGCAGC  
 ATCCTGAAACACTCCAGCTTCTCCATGAGTACCGACTCCTCTGACACAGAGACCCAAACTGAAGGAGCCT  
 GCCCTGCTCGGCACCTCGCTGCTGAGAGCAAGGTCCAGTTGAGCAGCACAGAAACACAAACCATGAG  
 TTCTGGCTTCGAGCCCTGGGGAACCTGTTCTACCAGCAACGAAACTCAGACAGCAATGGATGACTTC  
 CTTCTAGCCGATCTGGCCTGGAATACGATGGAGTCCCAGTTCAGCTCCGTGGAACCCAGACATGCGCAG  
 AGCTGCACGCTGTCTCCAGCTTCTGAAGGTGCAGCCAGGCATCCCCGCTCCTTGTGCGTTTAGAACATGG  
 GCTCAAGGACAGCGGCACCGACTGGGATGTAGTCAGTGGGCAGCTGTTTAGATTCTTTCAGTCTTTG  
 GTGTTTTGTACTCGTGACCACAAGATTGGTGTGCAAAATGTGAGTGTATTATAAAGTGAAGTGTGATCT  
 GAAATGTCGCCTATGTTTGTCTGTGTAGCTATTCTATCTTTTTTAAAAAAAATGCATTTGACTG  
 TAAACTTAGAACTGTTTAGCTAATGCCAAGCTTAGCAGTGGTAGGGGGCAAGCTTTGTGGCTGCTTTA  
 ACTGAGTATAGCACACTTAAATGGCATCTCCACGTAAGGGCACCTCAAATGCTCAGACAATGTTTGTGT  
 GGCCGCTAACTCCTGAGATGCCACCACCTTGCCTTGTATGTCCCTCTGACTCGGAAGCACAAGGGGAA  
 CCACACCTGTCTTTAGCTTTTATGACAGTTTTGAGTCTTCTGTCCCTCCCTGCTGAGCTGTGACTGC  
 CGCCAGCTTCGTGTGCCATCCTTCTCCCAATGTGAGGTTACTGGCCAGTGTGAGAACAGCAAGCACTCGG  
 TGTCATGGCAGGCTTAGTACGAGGAAGGTATCCAGCTGTGGAGATGCCTGCGCACTGTGGACACCCCTCA  
 GTTCTGTTTCATCTCAGGCTCATCCCGCTTCGTGGACGAGCTCTCCTCTGCTCCCTCCAGAGTGTGATCA  
 AATCTGTGGGATTGCCATGTGCCAGACGGCAGCCAGCTGTGAGCACACAGTAGCTAGAGGGTAGTTCCTG  
 GTTGACCCAGAGCTTCTAGTGTCTGTAATTTGGGTTTCTATGACTCCACACTCTTTGTGCTCAGTGA  
 ATTTACTAGAACTCAGGGATACTGTTTCTGTGAAGGGTAGGCTGGGTGCAAAGGGGCAGAGGACTCCAC  
 ACCTTCTTAGGCACACCTCCTACCAAGAATCTGCCTGTAGCCTCGTAGGAACCTCCAACACTCAGTCTT  
 GTGGGGTTAATGCTGCTTTGTTGTGTGGGTAGAGAGTTGCTTAAACCATTAGCAATCAACTTAACTTGT  
 AGTGTACCCTATCTGGTGGGTTGGGAGGTAGGGATGAAGCTGAAAAATACCCCAACCTTTTCGATCATTAA  
 TTATTCTTGGTCTCTCCTGTGACTTGTCCCATCCTAATGCTACCCAGATGCTACCAGCTACCAATGAC  
 CTCATAGCAAGCAAAAGCAAAACATTTTTTCTGAAGACTTTGGGGTGGGGCAAGTTGTGATATACATTA  
 CATCACCTCCCCACAACATCCTTCTGCTCCACAGTAGACCATGGGGCCTGCCGACTGCTTCCCATATA  
 ATGGACTTAGAGACCCTTAAGAATTAAGGAAGGCATGGGTGGGGAAAGGCTTTTCTGCCAGCCC  
 CGCCAGTATGCTGCACTTGTTATCTTGATAGGAGAAGCAGGGCCACAATGCTTTTCTCCACCACC  
 CCCATCTCCTCCCTGAAAGAAGCTCTTAGTCTGGCAAGCATAGTATGTGTACCCTGAGACTAGCAACTG  
 TAGAATAGACCCATCTAAAGTACGCTGATCTAGATTATGTTGTGATGCATTCTTTAAAGAGGAAAAATCT  
 GGAGAGCAATTGCTTCAACGGTTAAGAATACTCTCACTCTGAGGGGAGAGCGAGGTCAAGCCTGCCTGGG  
 GGGCTCTGTGCTAAGTAGATCATGGATTCATAGCTGGTGCCCAACTCTGAGGCAAATTCAGAATCAGCCC  
 AGCCTGGGGACCTTCCAGTCTAGCCTGGATGGAAAAGCCCTGTTCTTTTGGCATACGTTTGTGCTGCCA  
 AAAGCTGAACCTTCAAAATGAAACCTAAGGGGGCTGGTGTGACTCATTAAATAAGTTGGTATTGCTGCT  
 GTCCTGTCCCATTACCCGATGCAGAGGACTCGGAATGGGCTAATAACACACCCGGCAGGTGAATGCAA  
 CCCAGGAGCTAAACAGTGGTTGTGGCCACAGTCGCCTGTGAATGTGAGTTTCAGAACAGACACAAGGCT  
 TAACTTAGATTTTCTGTTGTTTTGGACTCGTCCACTGCCTTAAACGCTCAAGCATCTATTTAAGCCCTCCG  
 GCTGAAGGAGAAGTGCATGTCTGCTCGTGGCTCTTTGTAATATAAGTGCAGCAATCTATGGCTTTTTAA  
 GTTTTTGTGCTGTGGCGATGTGCTTAATAGTTACAAGATAAAGAATGGAGCATGTAATTGCTTTCAT  
 GTGCAAGAAGTGTCCCAAAAAATCTTAAGTACCTGAACTCCCTAAGGTTGGTTGTTTGTGAACATA  
 AATTTGGTGATTAAGAGAAGCTAGAATTCTAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_177700  
**Insert Size:** 2163 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC060631</a> , <a href="#">AAH60631</a>
<b>RefSeq Size:</b>	4885 bp
<b>RefSeq ORF:</b>	2163 bp
<b>Locus ID:</b>	234776
<b>UniProt ID:</b>	<a href="#">Q6P9S1</a>
<b>Cytogenetics:</b>	8 E1
<b>Gene Summary:</b>	Transcription factor. Plays a crucial role in cell survival and RAD51 foci formation in response to methylating DNA damage. Involved in regulating the activity of ATM in the absence of DNA damage. May play a role in stabilizing ATM (By similarity). Binds to the DYNLL1 promoter and activates its transcription.[UniProtKB/Swiss-Prot Function]