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Product datasheet for SC337159

ASCIZ (ATMIN) (NM_001300728) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCIZ (ATMIN) (NM_001300728) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATMIN
Synonyms:	ASCIZ; ZNF822
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC337159 representing NM_001300728.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAATGCATGCTGAGAAGAAGCACAAATGTAGTAAGTGCAGCAATTCGTACGGTACAGAATGGGAC
CTGAAAAGACATGCAGAGGACTGTGGCAAGACCTTCCGGTGCACATGCGGCTGTCCCTACGCCAGTAGA
ACAGCACTGCAGTCTCACATCTACCGAACTGGGCACGAGATACCTGCAGAACACAGGGACCCACCTAGT
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AACCAACCAATCCCTAGACCAGACACTCAAGAACTAGAAGCTTCAGAAATAAAGCTAGAACCATCTTTT
GAAGACTCTTGTGGCTCTAACACTGACAAGCAGACTCTTACAACACCACCGAGATATCCTCAGAAGTTG
CTTTTACCAAAGCCCAAAGTGGCTTTGGTTAAACTACCCGTGATGCAGTTTTCTGTCATGCCTGTCTTT
GTGCCTACAGCCGACTCCTCAGCCCAGCCTGTGGTGTTAGGTGTTGATCAGGGCTCTGCCACAGGGGCT
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GCTGATTCCTCTGTGTCGTCTTGTTCTCAAACTGATTTGTCGTTTGATTCTCAAGTGTCTCTTCCCATT
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TTTATGGACACCTGTTTCCAGTCAGGTGGGGTCTCCAGAGAAACTCAAACCAGTGGGATAGAAAGTCCA
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TATAATGTTGCTACAGGTAACATTATAAGCAACAGTTTAGTAGCAGAGACAGTAACTCATAGTTTGTTA
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CAGAATAGTATGCTTCCTTCACAGAACATGACAGATAATCAGACCCAAACCATAGATTTATTAAGTGAT
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GAGTTCTTTTCGGCCTCAAATATCCAGACTCAAACTGAAGAGAGTGAACTTAGCACCATGACCACCGAG
CCAGTCTTGGAGTCACTGGACATAGAGACTCAAACGGACTTCTTACTCGCAGATACCTCTGCTCAGTCC
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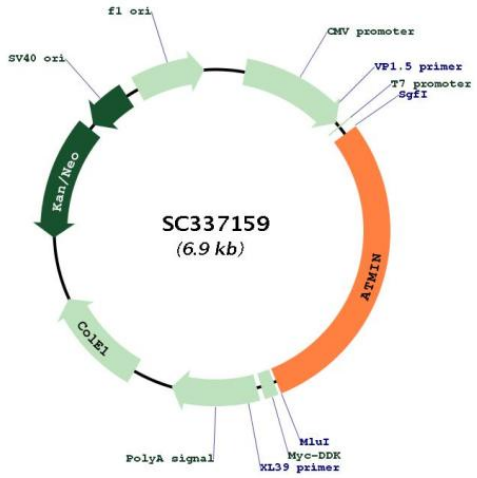
AGTACTGATTCATCTGACACAGAGACCCAAACTGAAGGAGTCTCCACTGCTAAAAATATACCTGCTCTA
GAAAGCAAAGTTCAGTTGAACAGTACAGAAACACAGACCATGAGTTCTGGGTTTGAAACCCTGGGGAGC
TTGTTCTTCACCAGCAACGAAACTCAGACAGCAATGGATGACTTTCTTCTGGCTGATCTGGCCTGGAAC
ACGATGGAGTCTCAGTTCAGCTCTGTAGAAACCCAGACTTCTGCGGAACCACACACAGTCTCCAACTTC
TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001300728
Insert Size:	2004 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. 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_001300728.1
RefSeq Size:	4806 bp
RefSeq ORF:	2004 bp
Locus ID:	23300
UniProt ID:	O43313
Cytogenetics:	16q23.2
MW:	72.3 kDa

Gene Summary: 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. Binds to the DYNLL1 promoter and activates its transcription.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.