

Product datasheet for **RG212149**

ASCIZ (ATMIN) (NM_015251) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCIZ (ATMIN) (NM_015251) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ASCIZ
Synonyms:	ASCIZ; ZNF822
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212149 representing NM_015251
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCTCGGAGCGCGCGCGGGTCCGCGCTCTGGCGGGGTGCCGGGCGCTCCCGG
 CGGCCACGACAGGAGCCGCCCGCCCGCTCGGGCCCGTGGGTGCCCGGGACCCGACTGAGGGGCAG
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 CCGTCGGTGAAGGAGCTGTCCCGGGCCGTGCGGACCAACATCCTGTGCACCGTGCAGGGTGCAGCAAGA
 TCCTGCCAACAGCCCGCGCTCAACATGCACCTAGTCAAGAGCCACCGCTGCAGGATGGCAGTCA
 TCCAACAATAAGAAAAGATTTGAAAAGTGGACCGAAATTTCTACTGCTGTCCAATTGAAGGCTGCCCGA
 GGCCCTGAGAGACCGTTTTCTCAGTTTTCTCTCGTAAAACAGCACTTTATGAAAATGCATGCTGAGAAGA
 AGCACAATGTAGTAAGTGCAGCAATTCGTACGGTACAGAATGGGACCTGAAAAGACATGCAGAGGACTG
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 TGCTGATCTGGCTGGAACACGATGGAGTCTCAGTTCAGCTCTGTAGAAACCCAGACTTCTGCGGAACC
 ACACACAGTCTCAACTTC

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG212149 representing NM_015251
Red=Cloning site Green=Tags(s)

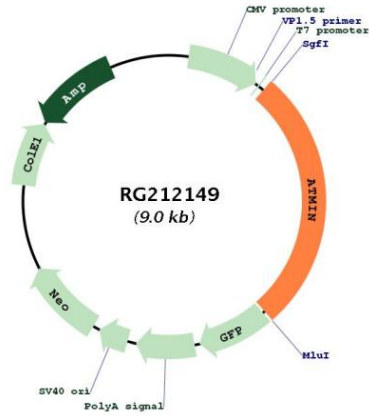
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PSVSELSRAVRTNILCTVRGCGKILPNPALNMHLVKSHRLQDGI VNP TIRKDLKTGPKFYCCPIEGCPR
GPERPFSQFSLVKQHFMMHAEEKKHKCSKCSNSYGT EWD LKRHAEDCGKTFRCTCGCPYASRTALQSHIY
RTGHEIPAEHRDPPSKKRKMENCAQNQKLSNK TIESLNNQPIPRPDTQELEASEIKLEPSFEDSCGSNTD
KQTLTTPPRYPQKLLL PKPKVALVKLPVMQF SVMPVFVPTADSSAQPVVLGVDQGSATGAVHLMPLSVGT
LILGLDSEACSLKESLPLFKIANPIAGEPISTGVQVNF GKSPSNPLQELGNTCQKNSISSINVQTDLSYA
SQNFIPSAQWATADSSVSSCSQTDLSFDSQVSLPISVHTQTFLPSSKVTSSIAAQ TDAFMDTCFQSGGVS
RETQTSGIESPTDDHVQMDQAGMCGDIFESVHSSYNVATGNIISNSLVAETVTHSLLPQNEPKTLNQDIE
KSAPIINFSAQNSMLPSQNMTDNQTQTIDLLSDLENILSSNLPAQTL DHRSL LSDTNPGPDTQLPSGPAQ
NPGIDFDIEEFFSASNIQTQTEESELSTMTTEPVLES LD IETQTD FLLADTSAQSYGCRGNSNFLGLEMF
DTQTQTDLNFFLDSSPHLPLGSILKHSSFSVSTDSSDTE TQTEGVSTAKNIPALESKVQLNSTETQTMS
GFETLGSLLFFTSNETQTAMDDFLLADLAWNTMESQFSSVETQ TSAEPHTVSNF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_015251.3
RefSeq Size:	4866 bp
RefSeq ORF:	2472 bp
Locus ID:	23300
UniProt ID:	O43313
Cytogenetics:	16q23.2
Domains:	zf-C2H2
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]

Product images:



Circular map for RG212149