

## Product datasheet for **SC333026**

### ATRIP (NM\_001271023) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATRIP (NM_001271023) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATRIP
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC333026 representing NM\_001271023.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCAAAAAATCCTTCAGGGAAAAACAGAGAACTGTTCCAATTAAGATAATTTGAATTAGAGGTA
CTTCAGGCACAATACAAAGAACTTAAAGAAAAGATGAAAGTAATGGAAGAAGAAGTTCTCATTAGAAT
GGAGAAATTAATAATTTTGCAGACTCACTACATCAGACGGAATCCGTTCTAGAGGAACAGAGAAGATCA
CATTTTCTTCTTGAGCAAGAGAAAAACCAAGCACTCAGTGACAAGGAAAAGGAATCTCCAAAAAGCTC
CAATCATTGCAGTCTGAACTCCAGTTTAAAGATGCAGAGATGAATGAATTAAGGACAAAGCTCCAGACC
AGTGAACGAGCAAATAAACTGGCTGCTCCCTCTGTTTCCCATGTAGTCCCTAGGAAAAACCTTCTGTG
GTTATAAAGCCAGAAGCATGTTCTCCACAATTTGGAAAAACATCTTTTCTACAAAGGAGTCTTTTAGT
GCTAACATGTCCCTTCCCACCCCTGCCAGACGGAGTCAGGATACAAGCCTCTGGTGGGCAGAGAGGAT
AGTAAGCCCCACAGTCTGAGAGGTGACTCCATAAAACAAGAAGAGGCCAGAAAAGCTTTGTTGACAGC
TGGAGACAGAGATCAAACACTCAAGGTTCCATTTTGATAAACCTGCTCCTGAAGCAGCCTTTGATCCCA
GGGTCATCCCTAAGCCTTGGCCACCTCCTGAGTAGTAGTCTGAGTCTCCTGCTGGCACCCCTGCAG
CCACCAGGGTTTGGCAGTACCTGGCTGGAATGTCAGGCCTCAGGACCACAGGTTCTTATGATGGGTCA
TTTTCCCTCTCAGCCCTGAGAGAAGCACAGAACCTGGCATTCACTGGACTGAATCTGTTGCCCGGAAT
GAGTGTCTACGTGATGGAGACCCAGCAGAGGGAGGCAGAAAGGCCCTTCCACTCTGCCAGCTTCTGGA
GCCGTGCATTTCTCCCTTGTACAGTCTTTCATCGGCTTACACTGCCAGGCCCTGCAGGACTTGGCA
GCTGCTAAGAGAAGCGGAGCACCTGGGGACTCACCGACACATTCTCCTGCGTGAGCTCTGGGTAGAG
ACCAACCTGAGGACTCAGTGTGCATCCTGGAAGGCTTCTCTGTGACTGCACTTAGCATTCTTCAGCAC
CTGGTGTGCCACAGCGGAGCAGTCGTCTCCCTATTACTGTCAGGAGTGGGGCAGATTCTGCTGTGGG
GAAGGAAAACAGGAGCCTGGTTCACAGGCTTAGTGATGGAGATGACCTCAGCCCTAAGGGGGTGTGCT
GATGACCAAGGACAGCACCCACTGTTGAAGATGCTTCTCACCTGTTGGCTTTCTCTTCGACGCAACA
GGTCACCTTCAAGCCAGTGTCTGACCCAGTGCCTTAAGGTTTTGGTGAATTAGCCGAAAAACACTTCC
TGTGATTTCTTGCCAGGTTCCAGTGTGTGTTCCAAGTGTGCCAAAGTGCCTCAGCCCAGAGACACCC
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CTCTGTTCCCACTCAGAAGGCTGCCTCCTGCTGCTGTACATGTACATCACATCACGGCTGACAGA
GTGGCCTTGGAGACACAATGGCTCCAGCTGGAACAAGAGGTGGTGTGGCTCCTGGCTAAGCTTGGTGTG
CAGAGCCCCTTGCCCCAGTCACTGGCTCCAAGTCCAGTGTAAATGTGGAGGTGGTCAGAGCGCTCAGG
GTGATGTTGCACAGACAGTGGCTGACAGTGGGAGGGCAGGGGGACCCCCAAGGACCAGCAGCAGAGG
CGGACAGTGCCTGTCTGCGGGACAGGTGCTGCTGCTGCACGGCCTATCGCAGAAGGACAAGCTCTTC
ATGATGCACTGCGTGGAGTCTGCATCAGTTGACCAGGTGATGCCGGGGTTCAGCATGCTCATCCGA
GGGCTTCTGATGTGACGGACTGTGAAGAGGCAGCCCTGGATGACCTCTGTGCCGCGAAACCGATGTG
GAAGACCCCGAGGTGGAGTGTGGCTGA
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001271023

**Insert Size:** 2097 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\\_001271023.1](#)

**RefSeq Size:** 2676 bp

**RefSeq ORF:** 2097 bp

**Locus ID:** 84126

**UniProt ID:** [Q8WXE1](#)

**Cytogenetics:** 3p21.31

**MW:** 76.3 kDa

**Gene Summary:** This gene encodes an essential component of the DNA damage checkpoint. The encoded protein binds to single-stranded DNA coated with replication protein A. The protein also interacts with the ataxia telangiectasia and Rad3 related protein kinase, resulting in its accumulation at intranuclear foci induced by DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2012]  
Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1.