

## Product datasheet for **SC314706**

### ATRIP (NM\_130384) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATRIP (NM_130384) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATRIP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

```

>OriGene sequence for NM_130384 edited
GCGGCAGGCAAGTCTAGCTCGGCGCTGTCGGATACTTGGGGTGAGCGGAAAGCATGGCGG
GGACCTCCGCGCCAGGCAGCAAGAGGCGGAGCGAGCCCCGGCGCCTCGCCCCGGCCCGC
CGCCGGGCACCGGGCACCCCCGAGCAAGCGGGCCCGGGGCTTCTCCGACGCCGTGCC
CGGACCCTGACGACCCGTTCCGCGCGCATGGGGACTTCACTGCCGACGACCTGGAGGAGC
TTGACACCCTCGCGTACAGGCCCTGAGCCAATGTCCGGCCGGGCTCGGGACGTGTCCA
GTGATCATAAGGTCCACAGATTATTAGATGGCATGTCAAAAAATCCTTCAGGGAAAAACA
GAGAAACTGTTCCAATTAAGATAATTTTGAATTAGAGGTACTTCAGGCACAATACAAAG
AACTTAAAGAAAAGATGAAAGTAATGGAAGAAGAGTTTCTCATTAAAGAATGGAGAATTA
AAATTTTGCAGACTCACTACATCAGACGGAATCCGTTTCTAGAGGAACAGAGAAGATCAC
ATTTTCTTCTTGAGCAAGAGAAAACCAAGCACTCAGTGACAAGGAAAAGGAATTCTCCA
AAAAGCTCCAATCATTGCAGTCTGAACTCCAGTTTAAAGATGCAGAGATGAATGAATTA
GGCAAAGCTCCAGACCAGTGAACGAGCAATAAACTGGCTGCTCCCTCTGTTTCCCATG
TCAGTCTAGGAAAAACCCTTCTGTGGTTATAAAGCCAGAAGCATGTTCTCCACAATTTG
GAAAAACATCTTTTCTACAAAGGAGTCTTTTAGTGCTAACATGTCCTTCCCCACCCT
GCCAGACGGAGTCAGGATACAAGCCTCTGGTGGGCAGAGAGGATAGTAAGCCCCACAGTC
TGAGAGGTGACTCCATAAAACAAGAAGAGGCCAGAAAAGCTTTGTTGACAGCTGGAGAC
AGAGATCAAACACTCAAGGTTCCATTTTGATAAACCTGCTCCTGAAGCAGCCTTTGATCC
CAGGGTCATCCCTAAGCCTTTGCCACCTCCTGAGTAGTAGTCTGAGTCTCCTGTGGCA
CCCCCTGCAGCCACCAGGGTTTGGCAGTACCTTGGCTGGAATGTCAGGCCTCAGGACCA
CAGGTTCTTATGATGGGTCAATTTCCCTCTCAGCCCTGAGAGAAGCACAGAACCTGGCAT
TCACTGGACTGAATCTGGTTGCCGGAATGAGTGCTCACGTGATGGAGACCCAGCAGAGG
GAGGCAGAAGGGCCTTCCCACTGCGCAGCTTCTGGAGCCGTGCATTTCTCCCTTGG
TACAGTTCTTATCGGCTTACACTGCCAGGCCCTGCAGGACTTGGCAGCTGCTAAGAGAA
GCGGAGCACCTGGGGACTCACCGACACATTCTCCTGCGTGAGCTCTGGGGTAGAGACCA
ACCCTGAGGACTCAGTGTGCATCCTGGAAGGCTTCTCTGTGACTGCATTAGCATTCTTC
AGCACCTGGTGTGCCACAGCGGAGCAGTCGTCTCCCTATTACTGTCAGGAGTGGGGGCG
ATTCTGCTGCTGGGGAAGGAAACAGGAGCCTGGTTACAGGCTTAGTGATGGAGATATGA
CCTCAGCCCTAAGGGGGTTGCTGATGACCAAGGACAGCACCCACTGTTGAAGATGCTTC
TTCACCTGTTGGCTTTCTTCTGCAGCAACAGGTCACCTTCAAGCCAGTGTCTGACCC
AGTGCCTAAGGTTTTGGTGAAATTAGCCGAAAACACTTCTGTGATTTCTTGCCAGGT
TCCAGTGTGTGTTCCAAGTGTGCCAAAGTGCCTCAGCCAGAGACACCCTGCCTAGCG
TGCTGCTGGCTGTTGAGCTCCTCTCCCTGCTGGCGGACCAGACCAGCTGGCACCTCAGC
TCTGTTCCCACTCAGAAGGCTGCCTCCTGCTGCTGTACATGTACATCACATCACGGC
CTGACAGAGTGGCCTTGAGACACAATGGCTCCAGCTGGAACAAGAGGTGGTGTGGCTCC
TGGCTAAGCTTGGTGTGCAGAGCCCTTGCCCCAGTCACTGGCTCCAATGCCAGTGTA
ATGTGGAGGTGGTCAGAGCGCTCACGGTGTGTTGCACAGACAGTGGCTGACAGTGCGGA
GGGCAGGGGACCCCAAGGACCAGCAGCAGAGCGGACAGTGCCTGTCTGCGGGACA
CGGTGCTGCTGCTGCACGGCCTATCGCAGAAGGACAAGCTTTTATGATGCACTGCGTGG
AGGTCCTGCATCAGTTTACCAGGTGATGCCGGGGTCAAGATGCTCATCCGAGGGCTTC
CTGATGTGACGGACTGTGAAGAGGCAGCCCTGGATGACCTCTGTGCCGGGAAACCAGT
TGGAAGACCCCGAGGTGGAGTGTGGCTGAGGCCCTGAGTGTCCAGCCACATGGTGGCACC
AGCACCACTCCTTTCTTACCACATCAACTGATTAAGCAGTGACCAGCAGGAACTGCC
AGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AA
    
```

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_130384 unedited  NCCGTCAGCATTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCGGCAG  GCAAGTCTAGCTCGGCGCTGTCGNGAACTTGGGGTGAGCGGAAGCATGGCGGGGACCTCC  GCGCCAGGCAGCAAGAGGCGGAGCGAGCCCCGGCGCCTCGCCCCGGCCCGCCGGGC  ACCGGGCACCCCCGAGCAAGCGGGCCCGGGCTTCTCCGACCCGCTGCCCGGACCCT  GACGACCCGTTTCGGCGCGCATGGGGACTTCACTGCCGACGACCTGGAGGAGCTTGACACC  TTCGCGTACAGGCCCTGAGCCAATGTCCGGCCCGGCTCGGGACGTGTCCAGTGATCAT  AAGGTCCACAGATTATTAGATGGCATGTCAAAAAATCCTTCAGGGAAAAACAGAGAACT  GTTCCAATTAAGATAATTTTCAATTAGAGGTAATTCAGGCACAATACAAAGAACTTAA  GAAAAGATGAAAGTAATGGAAGAAGAAGTTCTCATTAGAATGGAGAAATTAATAATTTG  CGAGACTCACTACATCAGACGGAATCCGTTCTAGAGGAACAGAGAAGATCACATTTTCTT  CTTGAGCAAGAGAAAACCAAGCACTCAGTGACAAGGAAAAGGAATTCCTAAAAAGCTC  CAATCATTGCAGTCTGAACTCCAGTTTAAAGATGCAGAGATGAATGAATTAAGGACAAAG  CTCCAGACCAGTGAACGAGCAAAATAAAGTGGCTGCTCCCTCTGTTTCCCATGTCAGTCT  AGGAAAACCCCTTCTGTGGTTATAAAGCCAGAAGCATGTTCTCCACAATTTGGGAAAAACA  TCTTTTCTACCAAGGAGTCTTTTAGTGCTAACATGTCCCTTCC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_130384 unedited  CGCGGCCGCATCTAGNATCGAGTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  TTTTTTTTTTTTTTTTTTTTTTTTTNCGGGGCAGTTCCTGGTGGCCACTGTTTTAATAAAT  TGATGGGAAAGGAAAGGAGGGGGCTGGGGCCACCATGGGGTGGACACTAAGGGCCTA  AGCCCACTCCACCTGGGGTCTTCCACATGGGTTTCCGGGGCACAAGGTCATCCAGGG  TTGCCTTTTACAGTCCGTCAAATAAGAAAGCCCTGGGATGAACATGCTGACCCCGGAA  TCACCTGGTCAAAGTATGCAGGACCTCCACGCAGGGCATTATGAAAAGCTTGTCCTTTT  GGAATAGGCCGGGCAAAAAAACACCGTGTCCGAAAAAGGGCACTGTCCGCCTTTGCTG  GCCGGTCTTGGGGGCCCCCTGCCCTCCGATTTGTAACCACTGTTTGGGCAAAATTACC  GGGAGCGCTTTGACCACCTCACATTACCTGTGATTGGACCCAGCGACGGGGGCAAG  GGGCTCTGCCCCCAAGCTTTACCCGGAGCCACCCCTCTTGTCCACTTGGACACTTT  GGGTTTCAAAGCCACTTTGTAGGCCGGGATGGGATGTAATGGTCCGCCCCCGGGGAGC  ACCTTTTGGGGAAAAAAATGAGGGGCCATTTGGTCTGGGTCCCCCACAGGAAAG  GGACCTTAACACCCCAACCCCTGGGAGGGGTGTCTTTTGGGTTGAGCCTTTTTTGC  CCTCTTGAAAAACACATTGGAACCTTGGGCAAAGAATCCAAGGGAAGTGTTCGGGTTA  TATTTACACAAACCTTTATAGCACTTGTGTTAAGAACCTTGGTTTGAAGGGAACCTCGG  CGCTGCAAAAATAAAACCCACAGGTGAGAAAACTTTTTAAAAGGGGTGCTTGTTTTTG  TGTTATACAACCCCTTAGGCCGGGGTATATTTACAATAACCTGGACCAAGCTCCTTG  TTCTTTCCCAACAATAAAT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_130384
<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>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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).

**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\\_130384.1](#), [NP\\_569055.1](#)

**RefSeq Size:** 2509 bp

**RefSeq ORF:** 2376 bp

**Locus ID:** 84126

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

**Cytogenetics:** 3p21.31

**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 (1) encodes the longest isoform (1).