

Product datasheet for **SC320432**

ATRIP (NM_032166) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATRIP (NM_032166) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032166.2
GGCAGGCAAGTCTAGCTCGGCGCTGTCCGATACTTGGGGTGAAGCGAAAGCATGGCGGGG
ACCTCCGCGCCAGGCAGCAAGAGGCGGAGCGAGCCCCGGCGCCTCGCCCCGGCCCGCC
CCGGGCACCGGGCACCCCCGAGCAAGCGGGCCCGGGGCTTCTCCGCAGCCGCTGCCCGG
GACCCTGACGACCCGTTCCGGCGCGCATGGGGACTTCACTGCCGACGACCTGGAGGAGCTT
GACACCCTCGCGTCACAGGCCCTGAGCCAATGTCCGGCCGCGGCTCGGGACGTGTCCAGT
GATCATAAAGGTCCACAGATTATTAGATGGCATGTCAAAAAATCCTTCAGGGAACAAACAGA
GAAACTGTTCCAATTAAGATAATTTTCAATTAGAGGTACTTCAGGCACAATACAAAGAA
CTTAAAGAAAAGATGAAAGTAAATGGAAGAAGAAGTTCTCATTAAAGAAATGGAGAAATTA
ATTTTGCAGACTCACTACATCAGACGGAATCCGTTCTAGAGGAACAGAGAAGATCACAT
TTTCTTGTGAGCAAGAGAAAACCAAGCACTCAGTGACAAGGAAAAGGAATTCTCCAAA
AAGCTCCAATCATTGCAGTCTGAACTCCAGTTTAAAGATGCAGAGATGAATGAATTAAGG
ACAAAGCTCCAGACCAGTGAACGAGCAATAAACTGGCTGCTCCCTCTGTTTCCCATGTC
AGTCTAGGAAAAACCTTCTGTGGTTATAAAGCCAGAAGCATGTTCTCCACAATTTGGA
AAAACATCTTTTCTACAAGGAGTCTTTTAGTGCTAACATGTCCCTTCCCACCCTGC
CAGACGGAGTCAGATACAAGCCTCTGGTGGGCAGAGAGGATAGTAAGCTCCACAGTCTG
AGAGGTGACTCCATAAAACAAGAAGAGGCCAGAAAAGCTTTGTTGACAGCTGGAGACAG
AGATCAAACACTCAAGGTTCCATTTTGATAAACCTGCTCCTGAAGCAGCCTTTGATCCCA
GGGTATCCCTAAGCCTTTGCCACCTCCTGAGTAGTAGTTCTGAGTCTCCTGCTGGCACC
CCCCTGCAGCCACCAGGGTTTGGCAGTACCTTGGCTGGAATGTCAGGCCTCAGGACCACA
GGTTCTTATGATGGGTCAATTTCCCTCTCAGCCCTGAGAGAAGCACAGAACCTGGCATT
ACTGGACTGAATCTGGTTGCCCGAATGAGTGCTCACGTGATGGAGACCCAGCAGAGGGA
GGCAGAAGGGCCCTCCCCTCTGCCAGCTTCTGGAGCCGTGCATTTCTCCCTTGTGA
CAGTTCTTCATCCGCTTACACTGCCAGGCCCTGCAGGACTTGGCAGCTGCTAAGAGAAGC
GGAGCACCTGGGACTCACCGACACATTCTCCTCGGTGAGCTCTGGGGTAGAGACCAAC
CCTGAGGACTCAGTGTGCATCCTGGAAGGCTTCTCTGTGACTGCCTTAGCATTCTTCAG
CACCTGGTGTGCCACAGCGGAGCAGTCTCTCCCTATTACTGTCAGGAGTGGGGGAGAT
TCTGCTGCTGGGAAGGAAACAGGAGCCTGGTTCACAGGCTTAGTGATGGAGATATGACC
TCAGCCCTAAGGGGGGTTGCTGATGACCAAGGACAGCACCCACTGTTGAAGATGCTTCTT
CACCTGTTGGCTTCTCTTCTGCAGCAACAGGTCACCTTCAAGCCAGTGTCTGACCCAG
TGCTTAAAGGTTTTGGTGAATAGCCGAAAACACTTCTGTGATTTCTTGCCAGGTTT
CAGTGTGTGTTCCAAGTGTGCCAAAGTGCCTCAGCCCAGAGACACCCTGCCTAGCGTG
CTGCTGGCTGTTGAGCTCCTCTCCCTGCTGGCGGACCAGCAGCTGGCACCTCAGCTC
TGTTCCCACTCAGAAGGCTGCCTCCTGCTGCTGTACATGTACATCACATCACGGCCT
GACAGAGTGGCCTTGAGACACAATGGCTCCAGCTGGAACAAGAGGTGGTCAGAGCGCTC
ACGGTGATGTTGCACAGACAGTGGCTGACAGTGCAGGAGGGCAGGGGGACCCCAAGGACC
GACCAGCAGAGGGCGGACAGTGCCTGTCTGCGGACACGGTGTGCTGCTGCACGGCCTA
TCGCAGAAGGACAAGCTTTCATGATGCACTGCGTGGAGGTCCTGCATCAGTTTGACCAG
GTGATGCCGGGGTCCAGATGCTCATCCGAGGGCTTCTGATGTGACGGACTGTGAAGAG
GCAGCCCTGGATGACCTCTGTGCCGCGAAACCGATGTGGAAGACCCCGAGGTGGAGTGT
GGCTGAGGCCCTGAGTGTCCAGCCACATGGTGGCACCAGCACCCTCCTTTCTTACCAC
ATCAACTGATTAAGCAGTGACCAGCAGGAACTGCCAGAGAAGTGGAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032166

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_032166.2 , NP_115542.2
RefSeq Size:	2428 bp
RefSeq ORF:	2295 bp
Locus ID:	84126
UniProt ID:	Q8WXE1
Cytogenetics:	3p21.31
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>