

Product datasheet for SC330914

ATRIP (NM_001271022) Human Untagged Clone

Product data:

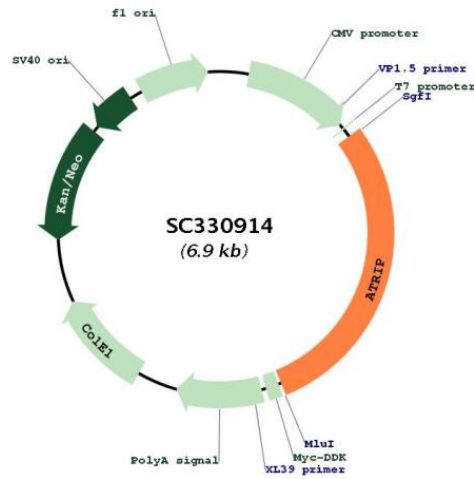
Product Type: Expression Plasmids
Product Name: ATRIP (NM_001271022) Human Untagged Clone
Tag: Tag Free
Symbol: ATRIP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330914 representing NM_001271022.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAAGTAAATGGAAGAAGAAGTTCTCATTAAAGAATGGAGAAATTTAAATTTTGCAGACTCACTACAT
CAGACGGAATCCGTTCTAGAGGAACAGAGAAGATCACATTTTCTTCTTGAGCAAGAGAAAACCAAGCA
CTCAGTGACAAGGAAAAGGAATTCTCAAAAAGCTCCAATCATTGCAGTCTGAACTCCAGTTTAAAGAT
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GACCAGGTGATGCCGGGGTCCAGCATGCTCATCCGAGGGCTTCTGATGTGACGGACTGTGAAGAGGCA
GCCCTGGATGACCTCTGTGCCCGGAAACCGATGTGGAAGACCCGAGGTGGAGTGTGGCTGA
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_001271022

Insert Size: 1995 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_001271022.1](#)

RefSeq Size: 2419 bp

RefSeq ORF: 1995 bp

Locus ID: 84126

UniProt ID: [Q8WXE1](#)

Cytogenetics: 3p21.31

MW: 72.4 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 (3) differs in the 5' UTR and lacks a portion of the 5' coding region, contains an alternate internal exon, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1.