

Product datasheet for **SC316798**

AP4 (REPIN1) (NM_001099695) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP4 (REPIN1) (NM_001099695) Human Untagged Clone
Tag:	Tag Free
Symbol:	REPIN1
Synonyms:	AP4; RIP60; Zfp464; ZNF464
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001099695, the custom clone sequence may differ by one or more nucleotides

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ATGGGGATAGGGGTGTCTTTATTACTGCAGTTTTCTAACACCTGGGGGCTACCGGAGT
GTGGGCCGAAGCAGGCGCTGCAGCCGCGAAGTATCCCCAGGAACATCCCCAAGAGGAGC
TGGAAAAAGCCTCATCCCCAGCTCTGCAGTCTCCAGGCAGAGGAAGAACCGATGCTGGAA
CGTCGTTGCAGGGGCCCCCTGGCCATGGGCCTGGCCAGCCCCGACTCCTTTCTGGGCCC
TCCCAGGAGTCACCCAGACCCCTGGGGAAGGAGTCCCAGGGCTGAGGCAACAAGGCACG
TCAGTGGCCAGTCTGGTGCCCAAGCCCCAGGCAGGGCCATCGCTGTGCCCACTGTCTGA
AGGCACTTCCCTGGCTGGGTGGCTCTGTGGCTTACACCCGCGGTGCCAGGCCCGGCTG
CCCTTGCCCTGCCCTGAGTGTGGCCGTCGCTTTGCCATGCCCCCTTCTTAGCACTGCAC
CGCCAGGTCCATGCTGCTGCCACCCAGACCTGGGCTTTGCTGCCACCTCTGTGGGCAG
AGCTTCCGAGGCTGGGTGGCCCTGGTTCTGCATCTGCGGGCCATTAGCTGCAAAGCGG
CCCATCGTTGTCCAAATGCGAGAGACGCTTCTGGCGACGAAAGCAGCTTCGAGCTCAT
CTGCGGGGTGCCACCTCCCGCCCCGAGGCCCGGCCCTTCATATGCGGCAACTGTGGC
CGGAGCTTTGCCAGTGGGACCAGTAGTTGCCACAAGCGGGTGCACGTAGCTGAGGCC
CTGGAGGAGGCCCGAGCCAAGGCTCTGGGGCCCCGGCCAGGGGCGCCCGCGGTGACC
GCCCCCGGCCCGGTGGAGATGCCGTCGACCGCCCTTCCAGTGTGCCTGTTGTGGCAAG
CGCTTCCGGCACAAGCCCACTTGATCGCTACCGCCGCTGCACACGGGCGAGCGGCC
CACCAGTGCCCGAGTGCGGGAAGCGCTTACCAATAAGCCCTATCTGACTTCGCACCGG
CGCATCCACACCGGCGAGAAGCCCTACCCGTGCAAAGAGTGCGGCCGCGCTTCCGGCAC
AAACCCAACTGCTGTCTCACAGCAAGATTCACAAGCGATCCGAGGGTTCGGCCAGGCC
GCCCCCGGCCCGGGAGCCCCAGCTGCCAGCCGGCCCCAGGAGTCCGCGGCCGAGCCC
ACCCCGCGGTACCTCTGAAACCGGCCAGGAGCCGCGCCAGGGGCCCGCCAGAGCAC
CCGACAGACCCGATCGAAGCCCCCCTCCCTCTACAGCTGCGACGACTGCGGAGGAGC
TTCGGCTGGAGCGCTTCTGCGGGCCACCAGCGGCAGCACACCGGGGAGCGGCCCTTC
ACCTGCGCGAGTGCGGGAAGAACTTCGCAAGAAGACGCACCTGGTGGCGCACTCGCGC
GTGCACTCCGGCGAGCGGCCCTTCGCTGCGAGGAGTGCGGCCGCGCTTCTCCAGGGC
AGCCATCTGGCGGCGCATCGGCGGACCAGCCCCGATCGGCCCTTCGTGTGCCCGAC
TGCGGCAAGGCCCTCCGCCACAAACCCTACCTGGCGGCGCACCGGCGCATCCACACCGG
GAGAAGCCCTACGTCTGCCCGACTGCGGCAAAGCCTTCAGCCAGAAGTCCAACCTGGT
TCGACCCGGCGCATCCACACGGGCGAGCGGCCCTACGCCTGTCCGACTGCGACCGCAGC
TTCAGCCAGAAGTCCAACCTCATACCCACCGCAAGAGCCACATCCGGGACGGCGCTTC
TGCTGTGCCATCTGTGGCCAGACCTTCGACGACGAGGAGAGACTCCTGGCCACCAGAAG
AAGCACGATGTC

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- Restriction Sites:** Please inquire
- ACCN:** NM_001099695
- 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_001099695.1 , NP_001093165.1
RefSeq Size:	3185 bp
RefSeq ORF:	1875 bp
Locus ID:	29803
UniProt ID:	Q9BWE0
Cytogenetics:	7q36.1
Gene Summary:	<p>Sequence-specific double-stranded DNA-binding protein required for initiation of chromosomal DNA replication. Binds on 5'-ATT-3' reiterated sequences downstream of the origin of bidirectional replication (OBR) and a second, homologous ATT sequence of opposite orientation situated within the OBR zone. Facilitates DNA bending.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks an alternate segment, compared to variant 1, that results in the use of an upstream start codon. The predicted protein (isoform 3) has a distinct N-terminus when it is compared to isoform 1. The biological validity of isoform 3 needs to be experimentally verified.</p>