

Product datasheet for **SC321336**

AP4 (REPIN1) (NM_013400) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP4 (REPIN1) (NM_013400) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP4
Synonyms:	AP4; RIP60; Zfp464; ZNF464
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for NM_013400.1
CAGAGGAAGAACCAGTGTGGAACGTCGTTGCAGGGGCCCTGGCCATGGGCCTGGCCC
AGCCCCGACTCCTTTCTGGGCCCTCCCAGGAGTCACCCAGACCCCTGGGGAAGGAGTCCC
GCGGGCTGAGGCAACAAGGCACGTCACTGGCCAGTCTGGTGCCCAAGCCCCAGGCAGGG
CCCATCGCTGTGCCACTGTGCAAGGCACTTCCCTGGCTGGGTGGCTCTGTGGCTTACA
CCCGCCCGTGCAGGCCCGGCTGCCCTTGCCCTGCTCTGAGTGTGGCCGTCGCTTTCGCC
ATGCCCTTCTTAGCACTGCACCCGACAGTCCATGCTGCTGCCACCCCAGACCTGGGCT
TTGCCTGCCACCTCTGTGGGCAGAGCTTCCGAGGCTGGGTGGCCCTGGTTCTGCATCTGC
GGGCCATTACAGCTGCAAAGCGGCCATCGCTTGTCCAAATGCGAGAGACGCTTCTGGC
GACGAAAGCAGCTTCAGCTCATCTGCGCGGTGCCACCCCTCCCGCCCCGAGGCCCGGC
CCTTCATATGCGGCAACTGTGGCCGGAGCTTGGCCAGTGGGACCAGCTAGTTGCCACA
AGCGGGTGACAGTGTGAGGCCCTGGAGGAGGCCGACGCAAGGCTCTGGGGCCCCGGC
CCAGGGGCGCCCGGCTGACCGCCCCCGGCCCGGTGAGATGCCGTCGACCGCCCT
TCCAGTGTGCTGTTGTGCAAGCGCTTCCGGCACAAGCCCAACTTGATCGCTCACCGCC
GGGTGCACACGGGCGAGCGGCCACCAGTGCCCGAGTGGGGAAGCGCTTACCAATA
AGCCCTATCTGACTTCGACCCGGCGCATCCACACCGGCGAGAAGCCCTACCCGTGCAAAG
AGTGCGGCCCGCCCTTCCGGCACAAACCAACCTGCTGTCTCACAGCAAGATTACAAGC
GATCCGAGGGGTGCGCCAGGCCGCCCGGCCGGGGAGCCCCAGCTGCCAGCCGGCC
CCCAGGAGTCCGCGGCCGAGCCACCCCGGCGGTACCTCTGAAACCGGCCAGGAGCCGC
CGCCAGGGGCCCCGCCAGAGCACCCGACAGGACCCGATCGAAGCCCCCCCCCTCCCTTACA
GCTGCGACGACTGCGGCAGGAGCTTCCGGCTGGAGCGCTTCTGCGGGCCACCAGCGGC
AGCACACCGGGGAGCGGCCCTTACCTGCGCCGAGTGGGGAAGAAGTTCGGCAAGAAGA
GCACTTGGTGGCGCACTCGCGCTGCACTCGGCGAGCGGCCCTTCGCTGCGAGGAGT
GCGGCCGCGCTTCTCCAGGGCAGCCATCTGGCGGCGCATCGGCGGACACCGCCCGG
ATCGGCCCTTCGTGTGTCGCGACTGCGGCAAGGCTTCCGCCACAAACCTACCTGGCGG
CGCACCGGCGCATCCACACCGGCGAGAAGCCCTACGTCTGCCCGACTGCGGCAAAGCCT
TCAGCCAGAAGTCCAACCTGGTGTGCGACCGGCGCATCCACACGGGCGAGCGGCCCTACG
CCTGTCCCGACTGCGACCGCAGCTTCCAGCCAGAAGTCCAACCTCATCACCCACCGCAAGA
GCCACATCCGGGACGGCGCCTTCTGCTGTGCCATCTGTGGCCAGACCTTCGACGACGAGG
AGAGACTCCTGGCCACCAGAAGAAGCAGATGTCTGAGACGGTGGGCGGGGCGCTGTTG
GCTGAGAGAGGGTGGGGTCTTCTGTTGGTGGGAGTGCAGTGGGCTGTGGGTGCCTGCCT
AGTGTGGAGTAGGGACAATGGGAATCCTAGAGGGGATGGAAGACGCGGGGAGTGAAGT
GGTGGGCCCTGTAGCGAGAGAGGTCAACCCCGTGGCCAGGGAACCCACTTCCAAGCG
CAGGGACCGCCGCTCCAGCTGGTGTGTGCTAAGGCTCCGTCTGACTGCCCTGTGCCCT
GGAAAAGCAGCAATAGCATCCGCCCTTAGAGCCCTTGCTAGAGGAGCCACCAGTGGGA
AAGGAAGACCCTCATCTCTGGTATTAACGCCTTAATGCCCTGTCTTTTACTGTAAGT
TACTTAAGATCATTGGAAGCAGGCGTGGTAGAGTCTGTAATGAATGCTCTGGGCT
AGATACAGCTTGGAACCTGCTGGCCTTGTAGACAGCACTTGGGCTTGGCCAGCAGC
AAGAGGTGAAGCGAAGCCACTTACCTCTCCCTCCCTCCACCTGCCCTCGGTAG
GCACCCAGACTTGGAGAGACCCGCTGCTGTTAATACTTCCATCCTTCTCCTTCCAAAG
AGCAGATCCCAAGCATTACTCCTTGGTCTGTCTCGCTTATCTGTGCGCCCTCCACG
GCTGAGAGCCTCCCTGGCTGTGAGCAGCACTGTGTCAGGCTCTTGTCTGAACCCGCA
GCCCTCCTTCGCTCCTTCCAGAGCTCAGCATGTACGGCAAGGACTGCCGCAATTGGTGA
TGGAGGGCAGCTGAGGGGAAGTTGCTGGTGGTTCCTTTTCTCCATTTCTAGCATATG
GACACCTGGCCTCTGCTTGAACACTTAGGTGACAGGAACCTCCGCACCTCCTGAGGCCCT
GGATGATTCTAATTGTTAGAAATCTAATTGTTAGAAATCCTTCTTATAATGAATGAAT
TCTGCTTCTATAATTTCTACCTATTGGCCTTGTCTGTTCTGGAACCTAAACAGAA
CAACCATTTACCCCTCCTTTTCAAACCTAGAGAATAAAGATTTGGTTTTAGAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites:

Please inquire

ACCN:	NM_013400
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:	<u>NM_013400.1</u> , <u>NP_037532.1</u>
RefSeq Size:	2954 bp
RefSeq ORF:	1704 bp
Locus ID:	29803
UniProt ID:	<u>Q9BWE0</u>
Cytogenetics:	7q36.1
Domains:	zf-C2H2
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 (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.</p>