

Product datasheet for **SC320226**

AP4 (REPIN1) (NM_014374) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | AP4 (REPIN1) (NM_014374) 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) |



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Fully Sequenced ORF: >OriGene sequence for NM_014374.1
 GAGAGTTGGTCTCTGGAGTGACTGTGCTTTCCACCCTCAGCAGAGGAAGAACCAGTGT
 GGAACGTGCTTGCAGGGGCCCCCTGGCCATGGGCTGGCCAGCCCCGACTCCTTTCTGG
 GCCCTCCAGGAGTACCCAGACCCTGGGGAAGGAGTCCCGCGGGCTGAGGCAACAAGG
 CACGTAGTGGCCAGTCTGGTGCCTAAGCCCCAGGCAGGGCCATCGCTGTGCCACTG
 TCGAAGGCACTTCCCTGGCTGGGTGGCTCTGTGGCTTACACCCGCCGGTGCCAGGCCG
 GCTGCCCTTGCCCTGCCCTGAGTGTGGCGTGCCTTTCCGCATGCCCTTCTTAGCACT
 GCACCCAGGTCATGCTGCTGCCACCCAGACCTGGGCTTTGCCTGCCACCTCTGTGG
 GCAGAGCTTCCGAGGCTGGGTGGCCCTGTTTCTGCATCTGCGGGCCATTAGCTGCAAA
 GCGGCCCATCGCTTGTCCAAATGCGAGAGACGCTTCTGGCGACGAAAGCAGCTTCGAGC
 TCATCTGCGGGGTGCCACCTCCCGCCCCGAGGCCCGCCCTTATATGCGGCAACTG
 TGGCCGGAGCTTTGCCAGTGGGACCAGCTAGTTGCCACAAGCGGTGCACGTAGCTGA
 GGCCCTGGAGGAGCCGACGCAAGGCTCTGGGGCCCCGCCAGGGGCCGCCCGCGT
 GACCGCCCCCGCCCGTGGAGATGCCGTCGACCGCCCTTCCAGTGTGCCTGTGTGG
 CAAGCGTTCCGGCACAAGCCAACTTGATCGCTCACCGCCGCTGCACACGGGCGAGCG
 GCCCACCAGTGCCTGAGTGGGGAAGCGCTTACCAATAAGCCCTATCTGACTTCGCA
 CCGGCGCATCCACACCGGCGAGAAGCCCTACCCGTGCAAAGAGTGCAGGCCCGCTTCCG
 GCACAAACCCAACTGTGTCTCACAGCAAGATTACAAGCGATCCGAGGGGTGCGCCCA
 GGCCGCCCGCCGGGGAGCCCCAGCTGCCAGCCGGCCCCAGGAGTCCGCGGCCGA
 GCCACCCCGGGGTACCTCTGAAACCGGCCAGGAGCCGCCAGGGGCCGCCGAG
 GCACCCGACGACCCGATCGAAGCCCCCTCCCTCTACAGTGCACGACTGCGGCAG
 GAGTTCGGCTGGAGCGCTTCTGCGGGCCACCAGCGGCAGCACACCGGGGAGCGGCC
 TTCACCTGCGCCGAGTGGGGAAGAACTTCGGCAAGAAGACGCACCTGGTGGCGCACTC
 GCGCGTGCACCTCGGCGAGCGCCCTTCGCTGCGAGGAGTGCAGGCCCGCTTCTCCCA
 GGGCAGCCATCTGGCGGCGCATCGGCGGACACGCCCCGATCGGCCCTTCGTGTGTCC
 CGACTGCGGAAGGCTTCCGCCACAAACCTACCTGGCGGCGCACCGGCGCATCCACAC
 CGGCGAGAAGCCCTACGCTGCCCCGACTGCGGCAAGCCTTACGCCAGAAGTCCAACT
 GGTGTGCGACCGGCGCATCCACACGGGCGAGCGGCCCTACGCCTGTCCGACTGCGACCG
 CAGCTTACGCCAGAAGTCCAACCTCATCACCCACCGCAAGAGCCACATCCGGGACGGCG
 CTTCTGCTGTGCCATCTGTGGCCAGACCTCGACGACGAGGAGACTCCTGGCCACCA
 GAAGAAGCACGATGTCTGAGACGGTGGGCGGGGCGTGTGGCTGAGAGAGGGCTGGGT
 CCTTCGTGGTGGAGTCGAGTGGGCTGGGGTGCCTGCCTAGTCTGGAGTAGGGGACA
 ATGGGAATCCTAGAGGGGATGGAAGACGCGGGGAGTGAAGTGGTGGGCCCTGCTAGCGA
 GAGAGTCAACCCCGGTGGCCAGGGAACCCACTTCCAAGCGCAGGGACGCCGGCTCCAG
 CTGGTGTGTGCTAAGGCTCCGCTCCTGACTGCCCTGTGCCCTGGAAAAGCAGCAATAGCAT
 CCGCCCCCTAGAGCCCTCGGCTAGAGGAGCCACCAGTGGAAAGGAAAGACCCCTCCATCCT
 CTGGTATTAACGCCTTAATGCCCTGTCTTTACTGTAAGTTACTTAAGATCATTTTTGG
 AAGCAGGCGTGGTAGAGTCTGTAATGAATGCTCTGGGCTAGATACAGCTTGGAGAACC
 TGCTGGCCTTGTAGACAGCACCTGGGCCCTTGGCAGCAGCAAGAGGTGAAGCGAAGCCA
 CTCTTACCTCTCCCTCCCTCCACCTGCCCTGCGTAGGCACCCAGACTTGGAGAGA
 CCCGCTGCTGTTAATACTTCCATCCTTCTTCCCAAAGAGCAGATCCCAAGGCATTT
 ACTCCTTGGTCTGTCTCGCTTATCTGTGCGCCCTCCAGCGCTGAGAGCCTCCCTGGC
 TGTGAGCAGCACTGTGTCCAGGCTTGTCTGAACACCGCAGCCCTCCTTCGCTCCTTC
 CAGAGCTCAGCATGTACGGCAAGGACTGCCGATTGGTGTGAGGGGCCAGCTGAGGGG
 AAGTTGCTGGTGAAGTTTCTTTTCTCATTCTAGCATATGGACACCTGGCCTCTGCTTG
 AGCACTTAGGTGACAGGAACCTCCGCACCTCCTGAGGCCCTGGATGATTCTAATTGTTAG
 AATTCTAATTGTTAGAAATCCTCCTTATAATGAATGAATTCTGCTTCTATAATTTTC
 TACCTATTGGGCCTTGTCTGTTCTCTGGAACAAACAGAAACAACCATTTACCCCTCCTT
 TTCAAACCTAGAGAATAAAGATTTGGTTTTAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

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| ACCN: | NM_014374 |
| 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_014374.1</u> , <u>NP_055189.1</u> |
| RefSeq Size: | 2878 bp |
| RefSeq ORF: | 1671 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 (2) uses a different splice site in the 5' UTR and lacks 5' UTR sequence, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p> |