

## Product datasheet for **SC316783**

### AP4 (REPIN1) (NM\_001099696) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP4 (REPIN1) (NM_001099696) Human Untagged Clone
Tag:	Tag Free
Symbol:	REPIN1
Synonyms:	AP4; RIP60; Zfp464; ZNF464
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC316783 representing NM\_001099696.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGAACGTCGTTGCAGGGGCCCTGGCCATGGCCTGGCCAGCCCCGACTCCTTTCTGGGCC
TCCAGGAGTCAACCCAGACCTGGGGAAGGAGTCCCGCGGGCTGAGGCAACAAGGCACGTCACTGGCC
CAGTCTGGTGCCCAAGCCCAGGCAGGGCCATCGCTGTGCCACTGTGAAGGCACTTCCCTGGCTGG
GTGGCTCTGTGGCTTACACCCGCCGGTCCAGGCCCGGCTGCCCTTGCCTGCCCTGAGTGTGGCCGT
CGCTTTGCCATGCCCTTCTTAGCACTGCACCGCCAGGTCCATGCTGTGCCACCCAGACCTGGGC
TTTGCCTGCCACCTCTGTGGCAGAGCTTCCGAGGCTGGGTGGCCCTGGTTCTGCATCTGCCGGCCAT
TCAGCTGCAAAGCGGCCATCGTTGTCCCAAATGCGAGAGACGTTCTGGCGACGAAAGCAGCTTCGA
GCTCATCTGCCGGGTGCCACCTCCCGCCCCGGAGGCCCGCCCTTCAATGCGGCAACTGTGGCCGG
AGCTTTGCCAGTGGGACAGCTAGTTGCCACAAGCGGTGCACGTAGCTGAGGCCCTGGAGGAGGCC
GCAGCCAAGGCTCTGGGCCCCGGCCAGGGGCCCGCCCGGGTGACCGCCCCCGGCCGTTGGAGAT
GCCGTCGACCGCCCTTCCAGTGTGCCTGTTGTGGCAAGCGCTTCCGGCACAAGCCCACTTGATCGCT
CACCGCCGCTGCACACGGGCGAGCGGCCCCACAGTGCCCGGAGTGCGGGAAGCGCTTTACCAATAAG
CCCTATCTGACTTCGCACCGGCGCATCCACACCGGCGAGAAGCCCTACCCGTGCAAAGAGTGCAGCCGC
CGCTTCCGGCACAAACCAACCTGCTGTCTCACAGCAAGATTCACAAGCGATCCGAGGGGTCCGCCAG
GCCGCCCGGCCGGGGAGCCCCAGCTGCCAGCCGGCCCCAGGAGTCCGCGGGCGAGCCACCCCG
GCGGTACCTCTGAAACCGGCCAGGAGCCGCCAGGGGCCCGCCAGAGCACCCGAGGACCCGATC
GAAGCCCCCCTCCCTCTACAGCTGCGACGACTGCGGCAGGAGCTTCCGGCTGGAGCGCTTCTGCGG
GCCACCAGCGCAGCACACCGGGGAGCGGCCCTTACCTGCGCCGAGTGCAGGGAAGAACTTCGGCAAG
AAGACGCACTGGTGGCGACTCGCGCTGCACTCCGGCGAGCGCCCTTCGCCTGCGAGGAGTGCAGGC
CGCGCTTCTCCAGGGCAGCATCTGGCGGCGCATCGGCGGACACGCCCCGATCGGCCCTTGTG
TGTCCGACTGCGGAAGGCTTCCGCCCAAACCTACCTGGCGGCGCACCGGCGCATCCACACGGC
GAGAAGCCCTACGTCTGCCCGACTGCGGCAAAGCCTTACGCCAGAAGTCCAACCTGGTGTGCGACCGG
CGCATCCACACGGGCGAGCGGCCCTACGCTGTCCGACTGCGACCGCAGCTTACGCCAGAAGTCCAAC
CTCATCACCCACGCAAGAGCCACATCCGGGACGGCGCTTCTGCTGTGCCATCTGTGGCCAGACCTTC
GACGACGAGGAGACTCTGGCCACCAAGAAGCACGATGTCTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_001099696

**Insert Size:** 1704 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).

**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:**

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\\_001099696.2](#)

**RefSeq Size:** 2987 bp

**RefSeq ORF:** 1704 bp

**Locus ID:** 29803

**UniProt ID:** [Q9BWE0](#)

**Cytogenetics:** 7q36.1

**MW:** 63.6 kDa

**Gene Summary:** 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]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.