

Product datasheet for **SC317970**

AP4 (REPIN1) (NM_014374) Human Untagged Clone

Product data:

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

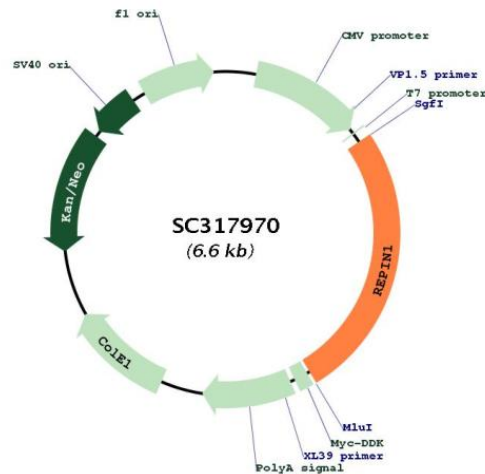


[View online »](#)

Fully Sequenced ORF: >SC317970 representing NM_014374.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGAACGTCTGTCAGGGGCCCCCTGGCCATGGCCTGGCCAGCCCCGACTCCTTTCTGGGCC
TCCAGGAGTACCCAGACCCCTGGGAAGGAGTCCCGGGCTGAGGCAACAAGGCACGTCACTGGCC
CAGTCTGGTGCCCAAGCCCAGGCAGGGCCATCGCTGTGCCACTGTGAAGGCACTTCCCTGGCTGG
GTGGCTCTGTGGCTTACACCCCGCGGTGCCAGGCCCGGTGCCCTTGCCTGCCCTGAGTGTGGCCGT
CGCTTTGCCATGCCCTTCTTAGCACTGCACCGCCAGGTCCATGCTGTGCCACCCAGACCTGGGC
TTTGCCTGCCACCTCTGTGGCAGAGCTTCCGAGGCTGGGTGGCCCTGGTTCTGCATCTGCCGGCCAT
TCAGCTGCAAAGCGGCCATCGCTTGTCCCAAATGCGAGAGACGCTTCTGGCGACGAAAGCAGCTTCA
GCTCATCTGCCGGGTGCCACCTCCCGCCCCGGAGGCCCGCCCTTCAATGCGGCAACTGTGGCCGG
AGCTTTGCCAGTGGGACAGCTAGTTGCCACAAGCGGTGCACGTAGCTGAGGCCCTGGAGGAGGCC
GCAGCCAAGGCTCTGGGGCCCCGGCCAGGGGCCCGCCCGGTGACCGCCCCCGGCCGTTGGAGAT
GCCGTCGACCGCCCTTCCAGTGTGCCTGTTGTGGCAAGCGCTTCCGGCACAAGCCCACTTGATCGCT
CACCGCCGCTGCACACGGGCGAGCGGCCACCAGTGCCTCGAGTGCAGGAAAGCGCTTTACCAATAAG
CCCTATCTGACTTCGCACCGGCGCATCCACACCGGCGAGAAGCCCTACCCGTGCAAAGAGTGCAGCCG
CGCTTCCGGCACAACCAACCTGCTGTCTCACAGCAAGATTCACAAGCGATCCGAGGGTCCGCCAG
GCCGCCCGGCCCGGGGAGCCCCAGCTGCCAGCCGGCCCCAGGAGTCCGGCCGAGCCACCCCG
GCGGTACCTCTGAAACCGGCCAGGAGCCGCCAGGGGCCCGCCAGAGCACCAGGACCCGATC
GAAGCCCCCTCCCTCTACAGCTGCGACGACTGCGGCAGGAGCTTCCGGCTGGAGCGCTTCTGCGG
GCCACCAGCGCAGCACACCGGGGAGCGCCCTTCACTGCGCCGAGTGCAGGAAAGAACTTCGGCAAG
AAGACGCACCTGGTGGCGCACTCGCGCTGCACTCCGGCGAGCGCCCTTCGCCTGCGAGGAGTGCAGC
CGCGCTTCTCCAGGGCAGCATCTGGCGGCGCATCGGCGGACACGCCCCGATCGGCCCTTCTGTG
TGTCCGACTGCGGCAAGGCTTCCGCCCAAACCTACCTGGCGGCGCACCGGCGCATCCACACCGGC
GAGAAGCCCTACGTCTGCCCGACTGCGGCAAAGCCTTCAAGCAGAAAGTCCAACCTGGTGTGCGACCGG
CGCATCCACAGGGGAGCGGCCCTACGCTGTCCGACTGCGACCGCAGCTTCAAGCAGAAAGTCCAAC
CTCATCACCCACGCAAGAGCCACATCCGGGACGGCGCTTCTGCTGTGCCATCTGTGGCCAGACCTTC
GACGACGAGGAGACTCTGGCCACCAGAAGAAGCAGATGCTGTA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_014374

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_014374.3](#)

RefSeq Size: 2894 bp

RefSeq ORF: 1704 bp

Locus ID: 29803

UniProt ID: [Q9BWE0](#)

Cytogenetics: 7q36.1

Domains: zf-C2H2

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 (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.