

Product datasheet for SC303998

RPA4 (NM_013347) Human Untagged Clone

Product data:

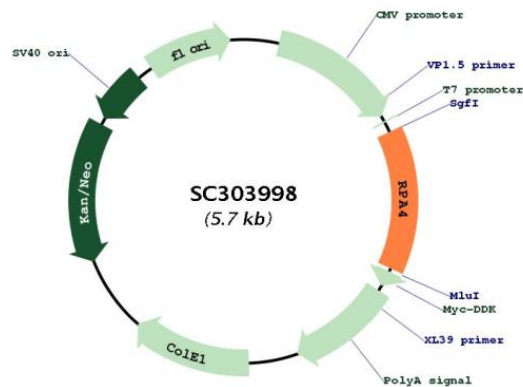
Product Type:	Expression Plasmids
Product Name:	RPA4 (NM_013347) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPA4
Synonyms:	HSU24186
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303998 representing NM_013347. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAAGAGTGGGTTTGGGAGCTATGGCAGCATTTCTGCTGCTGATGGAGCGAGTGGAGGCAGTGAC
CAACTGTGTGAGAGAGATGCAACTCCTGCTATTAAGACCCAAAGACCTAAGGTCCGAATTCAGGACGTT
GTACCGTGAATGTGAACCAGCTTCTCAGCTCTACTGTGTTTGACCCTGTGTTCAAGGTTAGGGGAATT
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AAAATTGATGATGACCGCGAAACCAATCGAGGCCGACAGTGGTTTGGTAGAGAGAAAGTCAAGCAG
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GTCAATGCACACATGATGCTGGATAAAGCCCGTGTGATACCACTGTAGAAAGTGTGCTGTGTCTCCA
TCAGAAGTGAATGATGCTGGGATAACGATGAGAGTCACCGCAATTTTCATCCAGGACGAAGTGTGCGT
TTGATTCATGAGTGTCTCATCAGGAAGGGAAGAGCATCCATGAGCTCCGGGCTCAGCTCTGCGACCTT
AGCGTCAAGGCCATCAAGGAAGCATTGATTATCTGACCGTTGAGGGCCACATCTATCCCACTGTGGAT
CGGGAGCATTTAAGTCTGCTGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_013347

Insert Size: 786 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_013347.4](#)

RefSeq Size: 1560 bp

RefSeq ORF:	786 bp
Locus ID:	29935
UniProt ID:	Q13156
Cytogenetics:	Xq21.33
Protein Families:	Druggable Genome
Protein Pathways:	DNA replication, Homologous recombination, Mismatch repair, Nucleotide excision repair
MW:	28.9 kDa
Gene Summary:	This gene encodes a single-stranded DNA-binding protein that is the 30-kDa subunit of the replication protein A complex. Replication protein A is an essential factor for DNA double-strand break repair and cell cycle checkpoint activation. The encoded protein localizes to DNA repair foci and may be involved in the cellular DNA damage response. This protein may also play a role in inhibiting viral replication.[provided by RefSeq, Apr 2010]