

Product datasheet for **RR212032**

Rpa1 (NM_001047843) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpa1 (NM_001047843) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpa1
Synonyms:	Cb1-727
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR212032 representing NM_001047843
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGCAGCAGGAGATACATCCATAAAACCCGTTCTTCAAGTCATTAACATCCGTCCCATTACTACAGGGA
ATAGTCCACCGCGGTATCGACTGCTTATGAGTGATGGGTTGAACACGCTTTCCTCCTTCATGCTGGCCAC
GCAGCTGAACGCCCTGGTCGAGGGGGCCAGCTGGCCAGCAACTGTGTCTGCCAGGTCCACCGCTTCATC
GTCAACACCCTGAAGGACGGAAGGAGAGTAGTTATTTGATGGACTTGGAAAGTTGTGAAATCTGCTGGCG
AAGTTGGAGTAAAGATTGGGAATCCAGTGCCCTATAATGAAGGACATGCGCAGCAGCAAGCAGTCTCTGC
CCCAGCCTCTGCAGCGACACCACCAGCCAGCAAGCCCAACCGCAGAATGGGAGCTTGGGAGTGGTTCC
ACTGTAGCTAAGGCATACGGGGCCTCAAAGCCGTTTGGAAAGCCTGCTGGAAGTGGCCTGCTGCAGCCTA
CAAGTGGGACACAGTCCAAGTGGTACCCATCGCCAGCCTCACCCCTTACCAATCCAAGTGGACGATTTG
TGCCCGTGTACCAACAAAAGTCAGATCCGTACCTGGAGCAATCCCGTGGGAAGGAAAGCTCTTCTCT
ATAGAACTTGTGGATGAAAGTGGTGAATCAGAGCTACGGCTTCAATGAGCAGGTGGACAAGTTCTTTC
CCCTTATTGAAGTGAACAGGTGTATTACTTCTCCAAGGGCACTCTGAAAATCGTAACAAACAGTTCTC
AGCTGTTAAAAATGACTATGAGATGACCTTCAATAATGAGACGTCTGTCCTTCCCTGCGAAGATGGCCAT
CACTTACCACAGTTCAGTTTGACTTCACAGGGATCGGTGACCTAGAGAGCAAGTCTAAAGACTCACTTG
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AGTTGCTAAGAGAAATATCTGTTGATGGACATGTCAGGAAAGTGGTACTGCGACGCTGTGGGGAGAA
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ACTCAAAGAGAAGGTTGGCTGCGTGTGTTGTGAGCATGAACGAGCAGGCGTTTGAAGAGGTTTTCCAGAA
GCCAACTTCCGATCATTTACATTCAGAATCAGAGTCAAGCTGGAGACCTACAATGATGAATCTCGAATTA
AGGCCACTGTGATAGACGTGAAGCCCGTGGACTACAGAGACTATAGCAAAAGGCTGATCATGAACATCAG
GAAGAACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212032 representing NM_001047843
 Red=Cloning site Green=Tags(s)

MQQGDTSIKPVLQVINIRPITTTGNSPPRYRLMSDGLNTLSSFMLATQLNALVEGGQLASNCVCQVHRFI
 VNTLKDGRRVVILMDLEVVKSSAGEVGVKIGNPVPYNEGHAQQQAVSAPASAATPPASKPQPQNGSLGVS
 TVAKAYGASKPFGKPA GTGLLQPTSGTQSKVVP IASLTPYQSKWTICARVTNKSQIRTWSNSRGEGKLF S
 IELVDESGEIRATAFNEQVDKFFPLIEV NKVYYF SKGTLK IANKQF SAVKNDYEMTFNNETSVLPCEDGH
 HLP TVQFDFTGIGDLESKSKDSLVDIIGICKSYEDATK I TVKSNREVAKRNICLMDMSGKVVTATLWGE
 DADKFDGSRQPVMAIKGARVSDFGGRSLSVLSSSTVLVNPD IPEAYKLRGWHYVFDGGLKALLHRQAH D
 PLMNLESQRKQLELKCCVLT LIPPGRQGFNSCVLESSAESISGLRCGQLMWGFDSEGQALDGVSIIDLRS
 GGTGGSNTNWKTLYEAKSEN LGQGD KADYFSTVATVVFLRKENC MYQACPTQDCNKVIDQNGLYRCEK
 CDREFPNFKYRMILSVNIADFQENQWVTCFQESAEAILGQNTVYL GELKEKVGCVFVSMNEQAFEEVFQN
 ANFRSFTFRIRVKLETYNDESRIKATVIDVKPVDYRDYSKRLIMNIRKNI

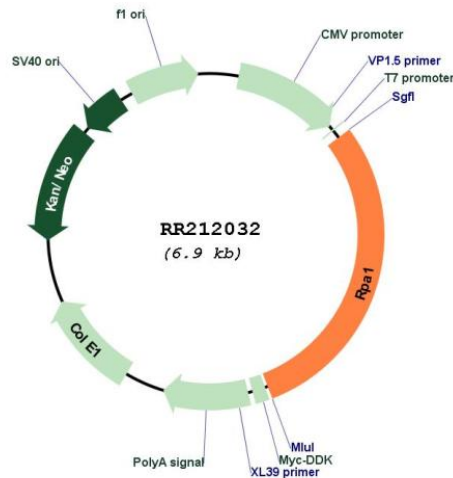
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001047843

ORF Size: 2040 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001047843.1](#), [NP_001041308.1](#)

RefSeq Size: 2049 bp

RefSeq ORF: 2043 bp
Locus ID: 287524
Cytogenetics: 10q24
MW: 75.1 kDa