

Product datasheet for RN205498

Rpap1 (NM_001033999) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpap1 (NM_001033999) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rpap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205498 representing NM_001033999 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTTGTCCAGACCGAAGCCTGGAGAGTCTGAGGTGGACCTACTGCGCTTCAAAGTCAGTTCCTCG
AGGCTGGTGCAGCTCCAGCGGTGCAGCTGGTGAAGGGAGTAGGAGCGTGGTGATGCCATCCAGACCA
GCTCCCCCAGAGACCATCGGGATGTGGTGTGCTGGACAGTCTCCAGATTTGCCCGGCTCTGCTT
CCTGCTCCTTCCAAGAGAGCTAGACCAAGCCCTGGCCGCCCCCTGCCTCAGATGAAGACCTGAGGAGA
GGCTGAACAGACACGATGAGCACATCACTGCTGTTTTGTCTAAGATTGTTGAACGGGATACAAGTTCAGT
TACTGTGACTCTGCCTGTGCCAGTGGTGTGGCTTTCCCCCTGTGTTCCACCGCTCTCAGGAGAGACAG
GTGAAACCAGCAGCATCTAGTAAAAGGAGCATCTTTGCCAAGAGATTGCAGCAAGGAGGGTGTGAGACA
ACAGGGCACCATCAGCTGAGCAAGTTGTCCAGCCAGATGCACCAGAGGGTCCCGTGCCTGTGAAAC
ACCCTCCTAAGGACAGAGCCAGCCAGCTTCTGGGAGGAGCCATAGCTTCCACAGACCAATCTAATC
ACAGGAAAGGGGCTCAGGAGCCAGGCGGCTGTGCAGGAGGTCCAGACCATCCATGAAGAGAATGTAGCAA
GACTACAAGCCATGGATCCTGAGGAGATCCTGAAGGAGCAGCAGTACTGGCTCAACTTGACCCAG
CTTGGTTGCCCTTCTGAGAGCTCATAACCATACCCGGGAGCAAACAGAAACAAAAGCCACCAAGGAGCAG
AACCCAGAAAGGCCCTCAGTTCCTGTGCTAAGAAAGAGCCCATCATGTCAACATGTACCGGGAGTCTG
GGACCAGGGACAAGCTGGAGGACAAGTTGGAGGACAAGCTGCAGCCAAGAACCCAGCACTGAAGTCCC
CATGACCCCAACAAAGAATGGCTCCATATGGACACCGTAGAGCTGGAGAAGCTCCACTGGACCCAGGAC
CTGCCACCGCTCCGGCGGAGCAGACACAGGAGAGAATGCAGGCTCGATTGAGCTTCCAGGAGAGCTCC
TGGAGCCTGATGTGGATCTGCCACACATCTGGGCTGCACCACCGGAGAAGAGGCAGAGAGAGCAGG
GTACTCTACAGGAGCTGTTCCACCTGACCCGTAGCCAGGTATCCAGCAGAGAGCACTGGCATTGCAT
GTGTTGCCACATCGTCCGAGGGCCAGGCTGGTGTGTTGGGGACCGTCTAGTGGGAGTGTCTTGC
GCCTCCTTGGATGCTGGCTTCTCTTCTGCTGCGCTTCTCTGATGACAGGATAGACAGCGTCTAT
TGACAGCAGCTGTCCGAGCTCTTCTGCTGCTGCTGGTTGCTCCTGGAGATGAGGAGCTCCTTGACAGCACC
TTCTTTGGTATCATGGAGCTTCACTGTTCCCTATGATGCCAGCCACGACGATAAAGAGGATGAAGATG
AGGACGAAGAAGCTCACAAGAAAGAGGTGAATCGAAAGACCCCTGAGGAAGGAAGCCGCTCCACCCGA
CCTGGCCAGACATGATGCATCAAGGCTTCTGGCTACCAACCTGCTGCCTCGGTTCCGCTATGTGCTG



[View online >](#)

GAGGTGACCTGCCAGGGCCCTCTGTGGTCCCTGACATCCTGGCTGTGCTTATACGCCTGGCCCGGCATT
 CCCTGGAGTCAGCCATGAGGGTCTGGAGTGCCTCGGCTGATGGAGACCATAGTTCCGGAGTTCTTGCC
 GACCAGTTGGTCCCCTATAGGGGTGGGGCTGCTCCCAGTCTATAAAGTGCCTTGTGCTGCTGCCATG
 AAATACTCAGGGTCTGGCCTCAGCTGGGAGGAATATCGCTGCCGACTGCTAAGCAGCTTTGATGTCA
 GGAGCCGACTGTGCCGATTCATAGCTGAAGCACCACGTGACCTGGCCTTGCCATTGGAAGAAGCAGAGAT
 CCTGACAACTGAGGCCTCCGTCTCTGGCCGTGGCTGCCTCTATGGCCAGGGTGGTACCTTTACAGG
 GAGCTGTACCCAGTGTCTATGCGGGCCCTGCAGACACTGCCTCCAGAGCTCAGCACTCATCCCCTGCAGC
 CCCTGTCCATGCAGCGGATGGCCTCTCTGCTCACTCTGCTCACCAGCTGACCCTGGCAGCTAGCACACA
 GCCTGAGGCCACCACTGGCTCTGTGAGTCTGTGGTGGCCATCCCTTCTCAATCACCTGGACACAT
 GTATCTGGACTCAAGCCACTGGTTGAGCCATGTCTAAAGCAGACCCTAAAGTTTCTGCGCAGACCTGATG
 TGTGGAATGCCCTGGTCCGGTGCCTAGTGCCTGCCTTCTGTTCTGGGTGCTTACTATCAGACCTGGAG
 CCAGCAGTCAGGCTTGTGCCAGAGGATTGGCTTCAGGACATGGAACGCTTTTTGGATGAATTCTTGCTG
 CCACTGCTGAGCCAGCCTCCTTTGGCAGGATGTGGGATTCCTTAAGGGACTGCTCCCCGCTCTGCAATC
 CGCTGTCTGTGCTTCCACCCCTGAAGCTCTCCCAGCCTCGTGTCACTAGGCTGTGCAGGAGGCTGTCC
 CCCTCTCAGTGTGGCTGGCTCAGCCTCACCTTCCCATTCTCACTGCCCTCCTCTCTTATCAACT
 CTGGGCCAGATCCACAAGGGGCTTTCAGACAGCTGGCTGTTGTGTTGACTGCCCCAGGACTCCAGAAT
 ACTTTCTCCAGTGTGTGGCTCCTGCACCTGCGCCACAGCTCACACCCCTTCTGCTGGGCCCTGGCCCA
 TGAGTACCACCTACAGTACCTGGTGTCTTCCCTAGCCAGAAAGCGGCAACATCGCAGCCAGAGCCAGCT
 GCCAGCACTGCCCTCCATCATGTTATGGCCCTGGTCTGCTGAGCCGGCTGCTGCCTGGAAGTGAATTC
 TCGCCACGAGCTGTGCTGAGCTGTGTTCGGCTGGGGTTCCTGCCGAAAAATGCTTCAGGTGGTCC
 AGAGGCAGCTGACTTCTCTGATGGGCTGTCTTAGGGAACAGTGGGGACCCTCACTGTAGACGAGGGCT
 CTCCTAGTTCAGCTTCCAGGATCTCCCAGCATCCGACGCTGCTACCTGGCCATTGTTACCCAGCTC
 GAGCCAGTCTGCTGACCTCCCAAGCGTTGTACCGTGGAGAGCTGCCGAGAGTCTCAAGTCTGCTGCTGCC
 TGTACCTAAGGAGCCACTGCTGCCCACTGACTGGCCCTTCCAGCCGCTGATCCATCTCTACCACCGAGCT
 TCAGATACTCCCTCTGGGCTGCCTGCTGCTGACTGTAGGCATACCATGCGGGTCTACAGTGGGTGC
 TAGTTCTGGAGAGCTGGCGCCCTGAGGCCTCTGGGCTGTGCCCCCTGCTGCCCGCTGGCAGCTCAT
 GTGTGTGTACCTGGTGGATAGCGAGCTTTTTCGAGAGACTCCCATAACAACGTCTAGTGGCTGCTTTTTA
 GCTCGGCTCTGTGAGCCCAAGTCTTGCCAAACCTCAAGCTGGACTGCCCCCTCCTGGCCTGACCTCCT
 TTCCTGACCTCTATGCCAGTCTTAGACCCTTTGAGGCCGTCTCATTGGAGACCCTTGTGGGGC
 TCTGGTCTCCTCCTCTGCAGCGCCGTTGAGTGTACCTTGGCCTTGGCCTCTTTGGGAGCATGTG
 GGAGATTGCGAGCACTGGCCTGCCTCTGGCTCAGCTGCCTGTGCCTCTGGAGTGTACACAGAGCCTG
 CTGAAGACAGCCTGGCTCTCCTTCACTACTTCCGGGCCCTGGTACTGGTGCCTCCATGCAGTTG
 GTGCCCGTCTCTACTGTAGCTGTGGCTCATGTCAATAGTTTCGCTTCTGCCAGGACCCAAAGAGC
 TCAGATGAGGTGAAGGCTGCCCGAAGGATGCTGCAGAAGGTGTGGCTACTGGCAGACAAGGATCTGC
 GGCAGCATCTCCTTCACTATAAACTCCCAACTCCAGCCTCCCAGAAGGCTTTGAACTGTATCCCAGTT
 ACCTCGCTGAGGCAGCAGTACCTTCAAGCCTGCCACAGAGGTGCTCCAGAACGGAGGATTCAAGACA
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001033999

Insert Size:

4203 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).

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_001033999.2</u> , <u>NP_001029171.1</u>
RefSeq Size:	4813 bp
RefSeq ORF:	4203 bp
Locus ID:	311338
UniProt ID:	<u>Q3T1I9</u>
Cytogenetics:	3q35
Gene Summary:	Forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding protein, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation. Required for interaction of the RNA polymerase II complex with acetylated histone H3 (By similarity).[UniProtKB/Swiss-Prot Function]