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Product datasheet for MC224414

Rpap1 (NM_001163701) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpap1 (NM_001163701) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rpap1
Synonyms:	1190005L06Rik; A730023M06Rik; AU041788; AW107702; mKIAA1403
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC224414 representing NM_001163701
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGCTGTCCAGACCGAAGCCTGGAGAGTCAGAGGTGGACCTGCTGCGCTTCCAGAGCCAGTTCCTTG
AGGCTGGTGCAGCCCCGGCGGTGCAGCTGGTGAAGGGGAGTAGGAGGCATGGTGATGCTCCTCCAGACCG
GCTCCCACCGCAGGACCATCGGGATGTGGTGATGCTGGACAATCTCCCAGATTTGCCCCCAGCTCTGCTT
CCCGCTCCTGCAAAAAGAGCAAGACCGAGCCCTGGTCACCCGCTGCCTCACGATGAAGACCCTGAAGAGA
GGCTGAACAGGCATGATCAGCACATCACTGCTGTCTTGTCTAAGATTGTTGAACGAGATACAAGTTCAGT
CACTGTGACTCTGCCTGTGCCCAGTGGTGTTGCTTTCCCGCCTGTGTTCCATCGCTCTCAGGAGAGACAG
GTGAAACCAGCAGCATCTGGTAAAAGGAGCATCTTTGCCCAAGAGATTGCAGCAAGAAGGGTGTCAGGAA
ACAGGGTGACATCAGCTGAGCAAGTTGTCCCCAGCCTAGACACACCAGAGGGTGCTGTGCCCTGTGAGAC
ACCCTCCTTCAGGGACAGAAGCAACCAGCTTCCTGGGAGGAGTCATGGCTTCCACAGACCAAATCTAGTC
ACAGGAAAGGGGCTCAGGAGCAAGGTGGCTGAGCAGGAGGTCCAGACAATCCATGAAGAGAATGTAGCAA
GACTACAAGCCATGGATCCTGAGGAGATCCTGAAGGAGCAGCAGCAGTTACTGGCTCAACTCGACCCCAG
CTTGGTTGCCTTCTTGAGATCTCATAGCCAGGTCCAGGAACAAACAGGAACAAAGGCCACCAAGAAGCAG
AGTCCAAAGAGACCCTCAGTTCTTGTCACTAAAGAAGAGCCTGTCACGTCAACTCGTACAAGGGAGCCTA
GGACTGGGGACAAGCTGGAAGAAAAGCCGGAGGCCACGGTGGAGGACAAGATGGAAGACAAGCTGCAGCC
AAGAACCCCAGCACTGAAACTGCCCATGACCCCCAGCAAAGACTGGCTCCACATGGACACCGTAGAGCTG
GACAAGCTCCACTGGACCCAGGACCTGCCCCCACTCCGGCGGCAGCAGACACAGGAGAGAATGCAGGCTC
GATTCAGCCTTCAGGGCGAGCTCCTGGCGCCTGATGTGGATCTTCCCACACATCTGGGCCTGCACCACCA
CGGAGAAGAGGCCGAGCGAGCAGGGTATTCTCTACAGGAGCTGTTCCACCTGACCCGTAGCCAGGTGTCC
CAGCAGAGAGCACTAGCATTGCAAGTGTTGTCCCAGATCGTCGGCAGGGCCCAGGCTGGTGAGTTTGGGG
ACCGCCTAGTGGGCAGTGTCTTGCGCCTCCTCTTGGATGCTGGTTTCCTCTTCCTGCTGCGCTTCTCTCT
GGATGACAGGGTGGACAGTGTCATCGCAGCAGCTGTCCGGGCTCTTCGTACTCTGCTAGTGGCTCCTGGA

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GATGAGGAGCTCCTGGACCGCACCTTCTCTTGGTATCATGGAGCTTCGGTGTTCCCTCTGATGCCCAGCC
AGGACGATAAAGAGGATGAAGATGAAGATGAGGAACTCGAAACAGAAAAGGTGAAGAGAAAGACACCTGA
GGAAGGAAGCCGCCCTCCCCCGGACCTGGCCAGACATGATGTCATCAAGGGGCTCCTGGCTACCAACCTG
CTTCCTCGGCTCCGCTATGTGCTGGAGGTGACCTGCCCAGGACCCTCTGTGATCCTTGACATCCTGGCTG
TGCTTATCCGCCTGGCCCGGCATTCCCTGGAGTCGGCCATGAGGGTCCTGGAGTGTCCTCGGCTGATGGA
GACCATAGTTCAAGAGTTCCTGCCTACCAGTTGGTCCCCTATAGGGGTGGGGCCTACTCCCAGTCTATAT
AAAGTGCCTTGTGCTTCTGCCATGAAACTGCTTAGAGTCCTGGCTTCAGCTGGGAGGAATATTGCTGCTC
GACTGCTAAGCGGCTTTGATGTCAGGAGCCGCCTGTGCCGATTCATAGCTGAAGCGCCACATGACCTGGC
CTTGCCCCCCGAGGAAGCAGAGATTCTGACCACTGAGGCCTTCCGTCTGTGGGCCGTGGCTGCCTCCTAT
GGCCAGGGTGGTGACCTTTACAGGGAGCTGTACCCAGTGCTGCTGCGGGCCTTGCAGACACTGCCTACAG
AGCTCAGCGCTCATCCCCTACAGCCCCTGGCCATGCAGCGGGTGGCCGCTCTGTTCACACTGCTTACCCA
GCTCACCCTGGCAGCTAGCAGCATACCTCCTGAGCCCGCCAGTGGCCCTGCTGAGTCCTGTGTGCCGGCC
ATCCCTTCCTCAGTCACCTGGACACAGGTGTCTGGACTCAAGCCACTGGTGGAGCCATGTCTAAAGCAGA
CCCTAAAGTTCCTGCCCAGGCCGGATGTGTGGAATGCCCTGGGCCCAGTGCCCAGTGCCTGCCTTCTGTT
CTTGGGTGCTTACTATCAGGCCTGGAGCCGGCAGTCACACTTGTGCCCAGAAGATTGGCTTCAGGACATG
GAGCGCTTGTTGGATGAGTCCTTGCTGCCACTGCTGAGCCAGCCTCCTCTGGGCAGTCTGTGGGATTCCT
TAAGGGACTGCTCCCCACTCTGCAATCCGCTGTCCTGTGCTTCCAACCCGGAAGCCCTCCCCAGCCTTGT
GTCACTGGGCTGTGCAGGAGGCTGTCCCCCTCTCAGTGTGGCTGGCTCAGCCTCACCCTTCCCGTTCCTC
ACTGCCCTCCTCTCCCTCATCAACACTCTGGTCCAGAGCCACAAGGGGCTCTGTGGACAGCTGTCTGCTG
TGTTGACTGCCCCAGGACTCCAGAACTACTTTCTCCAGTGTGTGGCTCCTGCGCCTGCCCCACAGCTCAC
ACCCTTCTCTGCCTGGGCCCTGCACCATGAGTACCACCTACAGTATCTGGTGCTTTCCTTCGCCCACAAA
GCGGCAACACTGCAGCCAGAACCAGCTGCCAGCACTGCCCTCCACCATGCTGTAGCCTTGGTCCTGCTGA
GCCGGCTGTTGCCTGGAAGCGAATACCTTGCCCAGGAGCTGCTGCTGAGCTGTGTGTTCCGGCTGGAGTT
CCTGCCGGAAAGTGCTTCAGGGGGCCCAGAGGCAGCTGACTTCTCCGATGGACTGTCCTTAGGGAGCAGT
GGGGACCCTCAGTGTAGACGAGGGGCCCTCCTCGTTCAAGCTTGCCGGGATCTCCCCAGCATCCGCAGCT
GCTACCTGGCCCATTGTTCACCAGCCCGAGCCAGTCTGCTGAGCTCCCAAGCCTTGTACTGTGGAGAGCT
ACTGCGAGTCTCAAGTCTGCTACTGCCTGTACCTAAGGAGCCACTGCTGGCCACTGACTGGCCCTTCCAG
CCGTTGATACATCTCTACCACCGAGCTTCAGATACTCCCTCTGGGCCACCTGCTGCTGACACTGTAGGCG
TTGCCATGCGGGTCCTACAATGGGTGCTAGTTCTGGAGAGCTGGCGCCCCGAGGTCCTCTGGGCTGTGCC
CCCTGCTGCCCGCCTAGCACGTCTCATGTGTGTGTACCTGGTGGATAGCGAGCTGTTTCGAGAGACTCCC
ATACAGCGACTGGTGGCAGCTCTTTTAGCTCGGCTCTGTCGGCCCCAAGTCTTGCCAAACCTCAAGCTGG
ACTGCCCCCTCCCTGGCCTGACCTCTTTTCCTGACCTTTATGCCAGCTTCTTAGACCATTTTGAGGCTGT
CTCTTTTGGGGACCACTTGTTTGGGGCCCTGGTCCTCCTTCCTCTGCAGCGTAGGTTCAGTGTTACCTTG
CGCCTCGCCCTCTTTGGGGAGCACGTGGGAGTGTTGCGAGCACTTGGCCTGCCTCTGACTCAGCTGCCTG
TGCCTCTGGAGTGCTACACAGAGCCTGCTGAAGACAGCCTGCCTCTCCTTCAGCTCTACTTCCGGGCCTT
GGTTACTGGTACACTCCGTGCACGTTGGTGCCCCATCCTCTACACTGTAGCCGTGGCTCATGTCAACAGT
TTCATCTTCTGCCAAGACCCAAAGAGCTCAGATGAGGTAAAGACTGCCCGAAGGAGTATGCTGCAGAGAA
CGTGGCTGCTGACAGATGAGGGGCTGCGGCAGCATCTCCTCCACTATAAGCTTCCCAACTCCAGCCTCCC
AGAGGGCTTTGAGCTGTATTCCCAGTTACCTCGCCTGAGGCAGCAGTGCCTTCAGACACTGCCCACAGAG
GGGCTCCAGAATGGAGGAGTCAAGACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163701

Insert Size: 4230 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:	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_001163701.1, NP_001157173.1
RefSeq Size:	4745 bp
RefSeq ORF:	4230 bp
Locus ID:	68925
UniProt ID:	Q80TE0
Cytogenetics:	2 E5
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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.