

Product datasheet for **MC228335**

Rpap2 (NM_001289570) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpap2 (NM_001289570) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rpap2
Synonyms:	AW060207
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228335 representing NM_001289570
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACTCTGCCGTACCTTGCTCTCTAGGCCAAAGTACCCGGGCTTCCAGCACCCACCGAGATGCTA
 CCGGTAATAACAGACCCGAGCCCTGAAACGAGGAGATGCATCTAAAAGGCAAGCAGAAGCTGGAAGCTGC
 TATACAAAGGAAGGTGGAGTTTAAAGGAAAGCTGTGCGCATCGTAGAGCAGCTCTTAGAGGAGAATC
 ACAGAAGAATTCCTGAAGGAGTGTGGCATGTTTCACACCAGCTCACTACAGCGACGTTGTGGATGAGC
 GGTCCATCATCAAACCTGTGGCTATCCTTTGTGTGAGAAGAAGCTAGGGTTATCCCGAAACAGAAATA
 TCGAATTTCTACTAAAACCAATAAAGTCTATGATATTACTGAAAGGAAGTCTTTCTGCAGCAATTTTGT
 TACAGAGCATCTAAATTTTTTAAACACAGATCCCAAACCTCCAGTATGGGTCGAGAGGAAGAGAGGC
 CTCCTGACTTTCAGCTGTGAAGAAAGGACAAAGCGGCAGTCTGGAGAAGTAGTACAGTCTTCCGAGA
 TGCCGTGACAGCAGCAGATGTTGACGGTCCGGCGCCTTGAGGGCGCAGTGTACCCTGCTTCTCCAGC
 TCTTGGAGTGAGCGAGCCAGTGTAGGAGGAGCAAGGCTTTGTTTCTTCTTCTACCAGGAAACAGAC
 CAAAGGCAGTGGATACAAGACCCGAGCCGACACAAAAAGCAGCATCATGAGAAAGAAGGCTGCTCAGAA
 CGTGGACTCCAAGGAGGGAGAGCAGACCGTGTGAGAGGTTACCGAGCAGCTGGATAATTGCAGATTAGAT
 AGTCAGGAGAAAGTGGCCACTTGTAAACGTCCTTTAAAGAAAGAAAGTACTCAGATTTCTCACCTGGCC
 CTTTGTGTGACAGATTTAACTTCAGCCATTTCTGAACATAAACACGGTGTATCACAAGTTACGCTTGT
 AGGCATAAGCAAGAAGAGTGTGAGCATTTGAGGAGCAAAATTTGCCAAGTCAAATCCAGGTTCTGGGTCA
 GCCTCTGGTTTGGTACACGTGCGTCTGAGGTTGCGAAGGCAAATTTACTCCGAGTCTGTCCGACACTC
 TGACTGAATGGAAGACAGAAGAAACACTGAAGTTTTATATGGCCAGAACCACGATTCTGTGTGTGAA
 ACCCTCTCAGCCTCTGAGCCTGATGAAGAACTTGATGAAGATGACATAAGTTGTGACCCAGGTAGTTGT
 GGTCTGCCCTGAGTCAAGCTCAGAACACCCCTAGATGCAACACTGCCCTTAGAGGCTCAGACACAGCCA
 TTAAGCCACTGCCAAGTTATGAGAGCTTAAAAAGGAAACGGAGATGCTGAACCTGAGGGTCAGGGAGTT
 CTACAGAGGGCGCTGTGTTTTAAATGAAGACTACCAAGTCTCAGGACTCTAAAGAGAGTGTGCTTCAG
 CGTGACCCAGCTTCCCGCTGATAGATTCAAGTCCCAGAACCAGATTAGAAGACGGATTGTTCTTGAAA
 AACTGAGCAAAGTATTGCCTGGACTTTGGGTCTTCTCAGATTACAATGGGAGATATTTACTGAACT
 TAAAAACCTCATTAGACTTTTCAAGATTCAAATAGAAACATTATACACAAACCTGTGGAGTGGACTTTA
 ATTGCTGTGGTCTTGCTGTTACTGATCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289570
- Insert Size:** 1713 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	NM_001289570.1 , NP_001276499.1
RefSeq Size:	2764 bp
RefSeq ORF:	1713 bp
Locus ID:	231571
UniProt ID:	Q8VC34
Cytogenetics:	5 E5-F
Gene Summary:	<p>Protein phosphatase that displays CTD phosphatase activity and regulates transcription of snRNA genes. Recognizes and binds phosphorylated 'Ser-7' of the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and mediates dephosphorylation of 'Ser-5' of the CTD, thereby promoting transcription of snRNA genes. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) lacks multiple 3' exons and contains an alternate 3' terminal exon, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (E) has a distinct C-terminus and is shorter than isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>