

Product datasheet for RN202655

Polr1b (NM_031773) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr1b (NM_031773) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Polr1b
Synonyms:	RPA2; Rpo1-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202655 representing NM_031773 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGTCGACAGCCGGTGGCGGAACCTGCCAGCGGGCCAGCCTAAGCATTAAACCGACCCCTCGT
ACGCGGTTCTCCGAGCAGCAAAGCGCGGTTGCAGGACCTGACGCGGGCGCAGCTGGACTCCTTCAA
CTACGCAGTGCTGGAGGGCTGAGCCACGCGGTGCAGGCCATACCTCCCTCGAATTTGCTTCAAAGAT
GAGCGCATATCTTACTATTGTGGACGCTGCCATCAGTCCACCGCAGTGCCCAAAGGGACCATCTGCA
AAGAGCTCAACATTTATCCAGCTGAGTGCCGTGGCCGGAGGAGCAGTACCGAGGGAAGCTGACGGCTGA
TATCAGCTGGGCGTGAATGGAGTCCCCAAAGGCATCATTAAACAATTTCTTGGCWATGTTCCCATCATG
GTGAAGTCCAAGCTTTGCAACTATACAACCTTCTCCTCAAGTCCTCATTGAGCACCACGAGGAGGCAG
AGGAAATGGGCGGTTATTTATAATCAACGGCATTGAGAAAGTCATCCGCATGTTGATTATGCCTCGGAG
AAATTTCCCATCGCAATGATAAGACCGAAATGGAAAAGCAGAGGGCTCGGCTACACTCAGTTCGGGTT
TCCATTCAGTGTGTGAGAGAGGAGCACTCTGTGTCAATATGAACCTTCACTATGTGGAGAACGGCACGG
TCATGTTAAACTTTATTTACCGCAAAGAGCTGTTTTCTTCTTGGGATTTGCACCTAAGGCACCTGTG
GAGCTTTTCTGACTATCAGATTTTCCAGGAGCTCATCAAAGGCAAAGAGGAGGACTCTTTCTTTAAGAA
TCTGTTTCTCAGATGCTGAGATTGTAATGGAGGAGGTTGTACACACAGAAGCAGTCTCGACTATC
TGGCGAACGCTTCAGAGTAAAGCTCAGTCTTCCGATTGGTACCCTAATGCGGAAGCTGCCGAGTTCT
GTTAACCAGTGTATCTGCATCCACTTGAAATCCAACACTGACAAGTTTTACCTGCTGTCTCATGACC
CGGAAGCTCTTTGCTTAGCCAGAGGAGAGTGCATGGAGGACAATCCTGACAGTTTAGTGAATCAAGAAG
TCCTTACCCTGGGCAGCTCTTCTGATGTTTCTGAAGGAAAAGATGGAGAATTGGCTACTGTCTATTAA
AATAGCTTTAGATAAAAAGGGCTCAGAAGACCAATGTTTCCATAAACAATGAAAATTTGATGAAGATTTT
AGTATGGGAACAGAGCTAACAAGACCATTTGAATATCTTCTTGTACTGGAAATCTGCGTCTAAAACAG
GTCTTGGCTTCATGCAGGATTCTGGCCTGTGTGTGTGGCTGACAAGCTGAACCTCATTGCTATCTCTC
CCATTTCCGCTGTGTGCACAGAGGGCTGACTTTGCCAAGATGAGGACCACCACCGTGCGCAAGCTGCTG
CCAGAATCCTGGGGCTTCTCTGCCCTGTGCACACCCAGACGGGGCACCGTGTGGGCTGCTGAACCACC



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TGACTGCTGTGTGTGAGGTTGTTACCAAGTTTGTGTACACAGCATCTATTCCAGCCTTGCTCTGTGGCTT
 AGGAGTCACTCCTGTTGATGCAGCACCATGTGACCGTATAGTACTGCTACCCTGCTCTGCTGGATGGC
 GTCATGGTGGGCTGGGTGGATAAGGAGCTGGCTCCTGAAGTGGCAGACACTCTCCGTCGATTTAAGGTGT
 TGAGAGAAAGGAGATGTTCTCCTGGATGGAGGTGGCCCTGATCCCATGACAGGAAAGCCAAGCCTGT
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 AGAAGAGCTCGTTGGAATATGGAGCAGCTCTTCATGAACATTGCCATCTTCGAGGACGAGGTTTTTGGT
 GGAGTTTTCCACACACCAGGAGCTTTCCCTCACAGCCTGCTGAGGTGATCGCCAACCTTCATCCCTCTC
 TGATCACAAACCAGAGTCTCGGAACATGTACCAGTGCCAGATGGGTAAAGCAGACCATGGGCTTCCGCTG
 CTCACCTACCAAGACCGATCAGATAATAAACTCTATCGTCTCCAGACACCCAGAGCCCTTAGTGAGAC
 CGTGCATGTATGATCATTATGACATGGACAACATCCCATCGGGACAAACGCCATTGTGGCTGTGATCTC
 CTACACTGGCTATGATATGGAGGACGCCATGATTGTAACAAGGCCTCCTGGGAACGAGGCTTTGCTCAT
 GGAAGTGTCTACAAGTCTGAGTTCATAGACCTCTGAGAAATTAAGCAAGGGGATGATAGTCTGGTAT
 TTGGGGTCAAACCTGGTGACCCACGGGTTATGCAGAAGCTGGACAATGATGGCTTGCCATTCATAGGAGC
 AAAGCTGGAGTTTGGTGATCCTTACTACGGCTACCTAAACCTTAACACCGGAGAAGGCTTCGTGGTTTAC
 TATAAGAGTAAAGAAAATGTGTTGTGGACAACATCAAAGTGTGCAGTAATGACACAGGAAGTGGGAAGT
 TCAAGTGGCTCTGCGTCAACCGTCCGAGTCCCCGGAACCAACTATTGGAGATAAGTTTGCCAGCGGTCA
 CGGACAGAAGGGCATTGAGCAGATTGTGGCCAGCTGAGGACATGCCTTTCACAGAGAGTGGGATGATG
 CCGGACATTCTGTTAATCCTCATGGGTTTCCCTCCCGTATGACCATAGGTATGTTAATCGAGAGTATGG
 CTGGGAAGTCAGCAGCTTTCATGGTCTCTGCCATGATGCTACACCCTTCATCTTCTCCGAGGAGAACTC
 TGCCCTAGAGTACTTTGGTGAGATGTTAAAGGCTGCCGGCTACAACCTTCTATGGCACGGAGAGATTGTAC
 AGCGGCATCAGCGGGATGGAGCTGGAGGCTGACATTTTTCATTGGTGTGGTTTATTACCAGCGCTACGAC
 ACATGGTGTGAGCAAAATTTCAAGTCAGAACAACCTGGAGCCAGGGACAAAGTCACCAACCAGCCCATTGG
 AGGCAGGAACGTCAGGGTGGGATCCGATTTGGGAGATGGAGCGGGATGCTCTGTTGGCGCACGGCACA
 TCTTCTCTGATGACCGCTCTTCAACTGCTCCGACCGCTCTGTGGCCACGATGCGTGAAGTGTG
 GCAGTTTCTTCTCCGCTGCTCGAGAAGCCTCCCCATCTTGGTCTGCGATGCGTAACAGAAAATACAA
 CTGCACCGTCTGCGGCCGAGTACTCCATCGACACTGTCTGTGCCGTATGTTTTCCGGTACTTTGTA
 GCTGAGCTGGCTGCCATGAACATCAAAGTGAACCTGGACGTCATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031773
- Insert Size:** 3408 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_031773.1](#), [NP_113961.1](#)
RefSeq Size: 3769 bp
RefSeq ORF: 3408 bp
Locus ID: 83582
UniProt ID: [O54888](#)
Cytogenetics: 3q36
Gene Summary: mouse homolog is the second largest subunit of RNA polymerase I [RGD, Feb 2006]