

Product datasheet for **SC200957**

RPC62 (POLR3C) (NM_006468) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RPC62 (POLR3C) (NM_006468) Human 3' UTR Clone
Symbol:	RPC62
Synonyms:	C82; RPC3; RPC62
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006468
Insert Size:	2000 bp



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Insert Sequence: >SC200957 3'UTR clone of NM_006468
 The sequence shown below is from the reference sequence of NM_006468. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACATTGAGTGCACCATGAAGAGACAGTATCCAGAAGAAGCATCTTCTCAGAAGATCTGGGGGATG
GAAAGCAAATAAAGGAGGTGCCTGGATGCATTATTTGCAGTGGGATAAGTCGCAGAGTCTTCAACTAA
ACCCCCCTCTCTATCCCCTGCAGCCAGGATACACCTGAAAGAATTTGGCATATTTAGATCCATTGCTG
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GCTGGGACTACAGGCATGCACCACACATACCCAGCTATTTTTTATTTATTTATTTTATTTTGTAGAG
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AAGACTATCACAGAGTAGAAGAAAAATTTTTCAGGGTTAGCAGGTGGATTGTCCAAGCAGTCACA
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CAGATACATCAAAAAATGTTCAACATCACTAATCAGAGAAATGGAATCAAAATCAATGAGATAACATC
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ATCAATGTATCAAAAAGATACCTGCACTCCCATGTTTATTGCAGCAGTATTCACGATAGCCAAAACATG
GAATCAACCTAAGTGCCCATCAATAGATGAAAGGCTAAAGAAAATGTATTATTCAGCCATAAGAATGAA
TGAAATCTGTCAATTGGCAGCAACATGGATGGAATTTGGAGGTCATTATGTTAAGTAAAATAAACCAAG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_006468.8](#)

Summary:

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific core component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. May direct with other members of the subcomplex RNA Pol III binding to the TFIIIB-DNA complex via the interactions between TFIIIB and POLR3F. May be involved either in the recruitment and stabilization of the subcomplex within RNA polymerase III, or in stimulating catalytic functions of other subunits during initiation. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs) induce type I interferon and NF- Kappa-B through the RIG-I pathway. Preferentially binds single-stranded DNA (ssDNA) in a sequence-independent manner (PubMed:21358628).[UniProtKB/Swiss-Prot Function]

Locus ID:

10623

MW:

75.6