

Product datasheet for **SC216613**

Rb (RB1) (NM_000321) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Rb (RB1) (NM_000321) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RB1
Synonyms:	OSRC; p105-Rb; p110-RB1; pp110; PPP1R130; pRb; RB
ACCN:	NM_000321
Insert Size:	1849 bp



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Insert Sequence: >SC216613 3'UTR clone of NM_000321
 The sequence shown below is from the reference sequence of NM_000321. 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
ATGGATACCTCAAACAAGGAAGAGAAAATGAGGATCTCAGGACCTTGGTGGACACTGTGTACACCTCTGG
ATTCATTGTCTCTCACAGATGTGACTGTATAAATTCCAGGTTCTGTTTATGGCCACATTTAATATCT
TCAGCTCTTTTGTGGATATAAAATGTGCAGATGCAATTGTTGGGTGATTCTAAGCCACTTGAAATG
TTAGTCATTGTTATTTATAACAAGATTGAAAATCTTGTGTAATCTGCCATTTAAAAAGTTGTAGCAGA
TTGTTTCTCTTCCAAAGTAAAATTGCTGTGCTTTATGGATAGTAAGAATGGCCCTAGAGTGGGAGTCC
TGATAACCCAGGCCTGTCTGACTACTTTGCCTCTTTTGTAGCATATAGGTGATGTTTGCTCTTGTTTT
TATTAATTTATATGTATATTTTTTAATTTAACATGAACACCCTTAGAAAATGTGCTCTATCTATCTTC
CAATGCAATTTGATTGACTGCCATTACCAAAAATTATCTGAACTCTTCTGCAAAAATGGATATTAT
TAGAAAATTAGAAAAAATACTAATTTTACACATTAGATTTTATTTTACTATTGGAATCTGATATACTG
TGTGCTTGTTTTAAAAATTTGCTTTTAAATTAATAAAAAGCTGGAAGCAAAAGTATAACCATATGATAC
TATCATACTACTGAAACAGATTTTATACCTCAGAATGTAAGAAAGAACTTACTGATTATTTTCTTCATCCA
ACTTATGTTTTTAAATGAGGATTATTGATAGTACTCTTGGTTTTTATACCATTGAGTACTGAATTTA
TAAAGTACCCATCTAGTACTTGAAAAAGTAAAGTGTCTGCCAGATCTTAGGTATAGAGGACCCTAACA
CAGTATATCCCAAGTGCACTTTCTAATGTTTCTGGGCTCTGAAGAATTAAGATACAAATTAATTTTACT
CCATAAACAGACTGTTAATTATAGGAGCCTTAATTTTTTTTTTTCATAGAGATTTGTCTAATTGCATCTCA
AAATTATTCTGCCCTCCTAATTTGGGAAGGTTGTGTTTTCTCTGGAATGGTACATGTCTTCCATGTA
TCTTTTGAAGTGGCAATTGTCTATTTATCTTTTATTTTTTAAAGTCAGTATGGTCTAACACTGGCATGT
TCAAAGCCACATTATTTCTAGTCCAAAATTACAAGTAATCAAGGGTCATTATGGGTTAGGCATTAATGT
TTCTATCTGATTTTGTGCAAAAGCTTCAAATTAACAGCTGCATTAGAAAAAGAGGCGCTTCTCCCT
CCCCTACACCTAAAGGTGATTTAACTATCTTGTGTGATTAACTATTTAGAGATGCTGTAACCTAAA
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TTTTGACAGTATTTTGTATAACAATGACACTAGAAAATTTGACTCCATTTTATCATTGTTTCTGCATGA
ATATCATACAAATCAGTTAGTTTTTAGGTCAAGGGCTTACTATTTCTGGGCTTTTGTCTACTAAGTTCA
CATTAGAATTAGTGCCAGAATTTTAGGAACTTCAGAGATCGTGTATTGAGATTTCTAAATTAATGCCTC
AGATATTATTGCTTTATTGCTTTTTTGTATTGGTTAAAATGTACATTTAAAATGCTATGTTACTATT
TTCTACAATTAATAGTTTGTCTATTTTAAATAAATAGTTGTTAAGAGTCTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-Mlul

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_000321.3](#)

Summary: The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma. [provided by RefSeq, Jul 2008]

Locus ID: 5925

MW: 72.7