

Product datasheet for **SC214174**

Rb2 p130 (RBL2) (NM_005611) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Rb2 p130 (RBL2) (NM_005611) Human 3' UTR Clone
Symbol:	Rb2 p130
Synonyms:	P130; Rb2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005611
Insert Size:	1378 bp



[View online »](#)

Insert Sequence: >SC214174 3'UTR clone of NM_005611
 The sequence shown below is from the reference sequence of NM_005611. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGTAGCTAATGACCGTGGTTCCACAGGTTAGTCTTGTATTAACTCTTACAAAACTGTGTT
AGCAGCAGCCTTTAATGCATCTAGATTATGGAGCTTTTTTCCTTAATCCAGCTGATGAGTTACAGCCTG
TTAGTAACATGAGGGGACATTTTGGTGAGAAATGGGACTTAACTCCTCCAGTGCCTTAGAACATTTT
AATTCATCCCAACTGTCTTTTTTCCCTACCATTCAAGTACTGTCAAGGCTGCTTAGAATCCAAAC
TTGGATTTTTGACTCTGGCAAAGCTTTTAGAAATACTGCAAGAAAATGATGTGTACCCAAACGTGAGCA
TAGGAGGCTTCTGTTGACGTACTCCAACAGAAGAACTGTGTTCAAGTTCAATCTACCTGTTTTGTGG
TCAGCTGTAGTCCTCATAAAAAGCAAAAACAAAATTAGGTATTTTGTCTAAAACACCTGGTAGGAGTG
TGTGATTTTTTGATTCTGACAAGGAGAGCACACCCAGGTTTGGAGGCTTAGGTCATTAGCCCTCG
TCTCCCGTTCCCTTTGTGCACATCTTCCCTCTCCCATTCGGTGTGGTGCAGTGTGAAAAGTCCTTGAT
TGTTCCGGTGTGCAATGTCTGAGTGAACCTGTATAAGTGGAGGCACTTTAGGGCTGTAAAATGCATGAT
TTTGTAACCCAGATTTTGTGTATATTTGTGATAGCACTTTCTACAATGTGAACTTTATTAATAACAAA
ACTTCCAGGCTAAACATCCAATATTTTCTTAAATGCTTTTATATTTTTTAAAATGTTAAAACCCCTAT
AGCCACCTTTTGGGAATGTTTTAAATTCAGTTTTTTGTATATAGGGATCAACCAGCTAAGAAAAG
ATTTTAATCAAGTTGAATTGAGGGGATTAATATGAAAACCTATGACCTCTTCCTTAGGAGGGAGTTAT
CTAAAAGAAATGTCTATTAAGGTGATATATTTAAAAATATTTTTGGGTGTTCTGGCAGTTTAAAAAAA
TTGGTTGGAGAATTTAGGTTTTTATTAGTACCATAGTACCATTTATACAAATTAGAAAATGTTATTTAA
CAGCTGAATTATCTATACATATCTTTATTAATCACTATTGTTCCAGCAGTTTTCAAGTCAAATTAATAA
TCTTATTAGGGAGAAAATTCAATTGTAATTGAATCAGTATAAACAAAAGTTACTAGGTAACCTCATATT
GCTGAGAGAAAATAGGAACTTACATTGTTCAATTAGAATAGTGTCTGCAAAAATATTTATAAAACTTC
TCAAGATACTGCTACTGTAATTTTATATGAAGATAAGTGTATTTTTCAATAAAGCATTATATAAATTA
ACGCGTAAAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

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_005611.4](#)

Summary: Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]

Locus ID: 5934

MW: 52.4