

## Product datasheet for **SC211565**

### **p107 (RBL1) (NM\_002895) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	p107 (RBL1) (NM_002895) Human 3' UTR Clone
Symbol:	p107
Synonyms:	CP107; p107; PRB1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002895
Insert Size:	2000 bp



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**Insert Sequence:** >SC211565 3'UTR clone of NM\_002895  
 The sequence shown below is from the reference sequence of NM\_002895. 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
GATGTTGTCAGTGAAAGAGCAAATCATTAAATGTTGTTCTTGTCTATGATAAAAGCACTTTCAGATTG
TTCTGCAGAAAAGTTGGAGCTCTGTCCTTCAAACCTTTTAGCCCTATAGATGATAAATATCACTGGGTTA
TAAGAAAAAATTGCACAAAAATTATGTGCTTTTTAAAATATTTATCCAAAATGTAGTTGACAGAGATGT
ATTTTGTAGTTGGATTGGAAAGGAATATTTTAAAGTGCCTTTTAAAAATACTAATAGTCCGGCCAGGCGCT
GTGGCTCACGCCTGTAATCCCAGGACTTTGGGAGGCCAAGGCGGGCAGATCACCGGAGGTCAGGAGTTC
GAGACCAGCTGACCAACATGGAGAAACCCCATCTCTACTAAAAATACAAAATTAGCCGGGTGTGGTGG
CGCATGCCTGTAATCCCAGCTACTTTGGGAGGCTGAGGCAGAATTGCTTGAACCCAGGAAGCGGAGTTG
TGGTGAGCCAAGTTGCGCCACTGCACTCCAGCCTGGGCAACAAGAGTAAAACCTCATCTCAAAAAATA
TATATATATATAAATAGGGAATTTTTTAAATGTTTGTCTCTTGAATTTCAAGATGAAATAAGGAG
AAACCCCATAACTTTTTAGCTCTCTTTTAAAAATAAATGTCTCCTTCTGTGTTCTGTAATATGAGGATA
AATAATCTACTTTTGATAGCATGCTTTGAGATATTTGTATTCTTAATTTAATATTGAAGGAAGGGTTG
GTTCCCATAGTACCTGGCCAGAGGGTTATACCATCCTGTCTCTGGCCACTGTGGTAATTCACATC
CAGGTACCACCGCCATTGAGTTGTCTCACCCCTTCTCGTGCCTTTCTCTCTTGAAGTTTATAAAC
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TCACAACCCAATAAATGGGGCACCTTCTCTTTGTAACTATTATCATTTTGGTTTCTGTGACATTAA
CTTAATATATATGATCGTATTAACCTCATGTAGTTCTCAAATAGGCAGCTGCTTCTGAAGCCAGTAAA
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ACTGTTTTTGTAGTATAGTTATCAGTCAATCTCAATATCTAATTGAGTCCCTAAGAATATTTTAAACC
TTTTAAAAATCACATAAATATCATCTCATGCTCATAATTCTAATATATTTAATACATCAGTAAATAG
CTGCTTACTTCCCACACTTTGTTCTCAGTATTGTTAGTGCATCATGAGTTTCTGCTAGTGTGTTGA
CCACTGGGTACTCCTGAAGATGTTTTTGTACTAGGGATGCTTTTTCAGTATTAGGGATGCTTTTTTCA
GTACTAGGGATGACTAGGGAGTACTGAGTACTCCTGAAGATGTTTTTTCAGTACTAGGGATGCTTTTTT
CAGTGTAGGGATGCTTTTTCAGTACTAGGGATGCTTTTTTTCAGTGTGTTGCTGGATCCAAAGGACAT
GAATAAGCCACTATAATTAATTTTGAAGATTTTATCAAATGTTTATGTTTCTAACTGCAACCTTAA
TTTTGAAAGGCACAATGTTTAACTCACCTATGTTTAAACCATGGCTAATTTAAAAATAGTCTAAGATTTG
GCCGCTACTAATAGTATTCTCAAGATTTTCAATTTTCAATTTTAAAGAAAAGGGATTTTGGTCACA
TTTTGCTTGTAATGAAAATTACATCCTCATTCTTTGTGTAGTATCTACACATTGTTATAAGCCAAAAA
ACAAAGTCTGTCTGGAATCTTTGTACATATTTGTATGTTGCTATAAATGTTATTTTTATCTTCATTAT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_002895.5](#)

**Summary:**

The protein encoded by this gene is similar in sequence and possibly function to the product of the retinoblastoma 1 (RB1) gene. The RB1 gene product is a tumor suppressor protein that appears to be involved in cell cycle regulation, as it is phosphorylated in the S to M phase transition and is dephosphorylated in the G1 phase of the cell cycle. Both the RB1 protein and the product of this gene can form a complex with adenovirus E1A protein and SV40 large T-antigen, with the SV40 large T-antigen binding only to the unphosphorylated form of each protein. In addition, both proteins can inhibit the transcription of cell cycle genes containing E2F binding sites in their promoters. Due to the sequence and biochemical similarities with the RB1 protein, it is thought that the protein encoded by this gene may also be a tumor suppressor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

5933

**MW:**

76.8