

## Product datasheet for **SC103555**

### Retinoblastoma binding protein 6 (RBBP6) (AK023612) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Retinoblastoma binding protein 6 (RBBP6) (AK023612) Human Untagged Clone
Tag:	Tag Free
Symbol:	Retinoblastoma binding protein 6
Synonyms:	MY038; P2P-R; PACT; RBQ-1; SNAMA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK023612, the custom clone sequence may differ by one or more nucleotides

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TGTATGAGAGAATAAACAACTTACTCAGACTGAAGAGTATGTTTTCAAAAATTAAGAAGTAGCAATTA
TATGGGAGCTGTATTTATTAAGCAATTATCTGAGCCCTAAAGGGCTGTTTGTTTTACAATGTTGTA
TAATGGCCTTGCAGGAAATTAGATTTCTATTCTCTCTCCAGTGTACATTGTCTTGAGTATTGCACA
TTTAGAGACCATAGGGAGATATGGGACTCTAGTATTTCAGTCGACACTCTGAACAGATTTCTGTGTGAT
ACATTTTTTCATTTAATTGAGTCCCCTCTTCCCCTCCAACCTGATAGCTTTTTATAACTGTGTGAAA
TATCTAGAGAAGAATGAAGTAGGCTGAGCTACATTTTCAAGCTTAACATTCTTTAGAAAATAAGAAAAT
GCCCAATATTTCAACATTAAGGTGTCAATAGGGGCTAAATGATCACTTTAAGATGTTTTCAGTTTGAAC
TTGAATGTGTGTTAATTTTTGTGAACAGATTGATGACTCTCCGCGTCTATTTCTCTGGCCAGCTTA
CAAAGGTATATATATATATATATTTCTTGAAAATAAAGTTTTTTCTAACATCATATTTTTTATGTGGA
ACGTTTTTTAAGAGGGTTGGGGGAGGACATATTTGCAAAAGCATTGTACATATTACTATCCTGT
AAAGAGTAGTTGCTGTTTGGAGAAGATAGGGGAATACTTTGTGAGCCTCAGCGTATTGGAGTATTGTTCA
TCTTCAAGACAGAAGAAACACTTGAAGCTACACTTAATATTTTTTTTTCCCTCATACATTTTGTTAAT
TATACATTGAAAATAACAAGTTCTGGAGGAATTTCTGGTTTTGGCTATAAAATATGTGGACCTTTTT
TAAGCAGCCAAAACAGAAGATTTCTTTACACGGACGATTGCATGGTTATTTCTTGAATATTTGACTTGA
TCCCATGAAGGTCAATATTTAAATGTGATGCAGTTGTTTCTTTATGCTATAGACTTGTAGTCTGTCTGC
ATTAGGAAAAGTTTTGAACAACCTAATTTGTTTGAACACAGACTACATGAATTGTGAAGTGTGTAAGC
TGTTTGCAGGAATATACCAATGTGTATGTTTGGCAGAGGGGCAAAATGTTACCTCCTGAATCACTGTATA
TGCCATGTTTGGGATAAGATTGCTTGCATTTCTGCTCAACAATGTGTATCTTGTGTTGGGAAAGCAC
TAGTGATGGATTACTTTTTAAAGCAATACATTTAGCTTGCAAAATGTGCCTTTAAAAAATAAGGCA
GACTTTTGGAGGGCAAGAAGGAAGCTGCCAGTTTTCCAAAATCCTTTTTCCCTGCTATCAGAAATGTG
AAACCAATTTAGCAACCAAGATTAATGAAAAGATGGGTTTTCCATTAGTGTGCTCCCTATCTTGTCTT
GGCTTTGTATGTCTTTCCCCTAGACTGTATCCCGACAAAATGTCTAGTAACAAATGCTTTTTAAGC
TCCTGTCTGGGAAAATAAGCATTAAAATTGATTATTCTAAAACATAAAGTGGACTAAAGCCATCCTAT
TTTATAATTTCTAATGCAAAGTGGTTAGTATAGAGTTAACACTTAGAAGTTTATAGTTTACTGTTTTT
ATTCTTATGTACTGTAAGGACCATATTTGAGTTTTTGGTCTATTCCTACCATTGTTTCTTGTGGGGAGG
AGTTGGGGCGGTTGGGGGATTGGTTTTTTTTTTTTGTTTTTAACTACAGGTATTTGAAAACAATG
TTTGGGTTCAAACAAATTAGTTGTTAAACATCTGTAATCCAGTTTCTGTAATGTTGCTGTTGTTCTAA
GCTCTGTTAATGTTAAGCATTCTTGTATATAAAATTACAATAAAATGTTAAAACG
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK023612 unedited

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GTTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCCCC
TCCAACCTGATAGCTTTTTATAACTGTGTGAAATATCTAGAGAAGAATGAAGTAGGCTGAG
CTACATTTTCAAGCTTAACATTCTTTAGAAAATAAGAAAATGCCAATATTTCAACATT
AAGGTGTCAATAGGGGCTAAATGATCACTTTAAGATGTTTTTCAAGTTTGGAACTTGAATGT
GTGTTTAAATTTTTGTGAACAGATTGATGACTCTTCCGCGTCTATTTCTCTGGCCAGCT
TACAAAGGTATATATATATATATATTTCTTGAAAATAAAGTTTTTTCTAACATCATATT
TTTTTATGTGGAACGGTTTTTTAAGAGGGTTGGGGGAGGACATATTTGCAAAAGCATT
GTACATATTACTATCCTGTAAGAGTAGTTGCTGTTTTGAGAAGATAGGGGAATACT
TTGTCAGCCTCAGCGTATTGGAGTATTGTTTCATCTTCAAGACAGAAGAAACACTTGAAGC
TACACTTAATTTTTTTTTCCCTCATACATTTTGTTTAATTATACATTGGAAAATAACA
AGGTTCTGGAGGAATTTCTGGTTTTGGCTATAAATTATGTGGACCTTTTTTAAGCAGCC
AAAACAGAAGATTTCTTTACACGGACGATTGCATGGTTATTTCTTGAATATTTGACTTG
ATCCCATGAAGGTCAATATTTTAAATGTGATGCAGTTGTTTCTTTATGCTATAGACTTGT
AGTCTGTCTGCATTANGAAAAAGTTTGAACAACCTAATTTGTTTGGACACAGACTACTGAA
TTGTGTAAGTGTGTAAGCTGTTTGCAGGATATACCAATGTGTATGTTTGGCAGAGGGCA
AATNGTACTNCTGAATACTGNATATGCCATGTTTGC
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<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK023612
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">AK023612.1</a>
<b>RefSeq Size:</b>	1947 bp
<b>RefSeq ORF:</b>	1947 bp
<b>Locus ID:</b>	5930
<b>Cytogenetics:</b>	16p12.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	The retinoblastoma tumor suppressor (pRB) protein binds with many other proteins. In various human cancers, pRB suppresses cellular proliferation and is inactivated. Cell cycle-dependent phosphorylation regulates the activity of pRB. This gene encodes a protein which binds to underphosphorylated but not phosphorylated pRB. Multiple alternatively spliced transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]