

## Product datasheet for **SC311861**

### Retinoblastoma binding protein 6 (RBBP6) (NM\_032626) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Retinoblastoma binding protein 6 (RBBP6) (NM_032626) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBBP6
Synonyms:	MY038; P2P-R; PACT; RBQ-1; SNAMA
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032626, the custom clone sequence may differ by one or more nucleotides ATGTCCTGTGTCATTATAAATTTTCTCTAAACTCAACTATGATACCGTCACCTTTGAT GGGCTCCACATCTCCCTCTGCGACTTAAAGAAGCAGATTATGGGGAGAGAGAAGCTGAAA GCTGCCGACTGCGACCTGCAGATCACCAATGCGCAGACGAAAGAAGAATACTGATGAT AATGCTCTGATTCTAAGAATTCTTCTGTAATTGTTAGAAGAATTCCTATTGGAGGTGTT AAATCTACAAGCAAGACATATGTTATAAGTCGAACTGAACCAGCGATGGCAACTACAAAA GCAGTATGTAAAAACACAATCTCACACTTTTCTACACATTGCTTTTACCTTTA
Restriction Sites:	Please inquire
ACCN:	NM_032626
OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	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).



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_032626.5](#), [NP\\_116015.2](#)

**RefSeq Size:** 1780 bp

**RefSeq ORF:** 357 bp

**Locus ID:** 5930

**UniProt ID:** [Q7Z6E9](#)

**Cytogenetics:** 16p12.1

**Protein Families:** Druggable Genome

**Gene Summary:** 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]

Transcript Variant: This variant (3) uses an alternate splice site in the 5' coding region, compared to variant 1, that results in a frameshift. It encodes isoform 3 which has a shorter and distinct C-terminus compared to isoform 1.