

Product datasheet for SC118334

RbAp46 (RBBP7) (NM_002893) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RbAp46 (RBBP7) (NM_002893) Human Untagged Clone
Tag:	Tag Free
Symbol:	RbAp46
Synonyms:	RbAp46
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118334 sequence for NM_002893 edited (data generated by NextGen Sequencing)

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ATGGCGAGTAAAGAGATGTTTGAAGATACTGTGGAGGAGCGTGTCAATGAAGAATAT
AAAATCTGGAAGAAGAATACACCGTTTCTATATGACCTGTTATGACCCATGCTCTTCAG
TGGCCAGTCTTACCGTTCAGTGGCTTCCCTGAAGTGACTAAACCTGAAGGAAAAGATTAT
GCCCTTATTGGCTAGTGTGGGACTCATACGCTGATGAGCAGAATCATCTGGTGGTT
GCTCGAGTACATATCCCAATGATGATGCACAGTTTGATGCTTCCCATTGTGACAGTGAC
AAGGGTGAATTTGGTGGCTTTGGTTCTGTAAACAGGAAAAATTGAATGTGAAATTAATC
AATCACGAAGGAGAAGTAAACCGTGTCTGTTACATGCCGCAGAATCCTCACATCATTGCT
ACAAAAACACCATCTTCTGATGTGTTGGTTTTTACTATACAAAAACCCCTGCTAAACCA
GACCCAAGTGGAGAATGTAATCCTGATCTCAGATTAAGAGGTACCAGAAGGAAGGCTAT
GGTCTCTCCTGGAATTCAAATTTGAGTGGACATCTCCTAAGTGCATCTGATGACCATACT
GTTTGTCTGTGGGATATAAACGCAGGACCAAAAGAAGGCAAAATTGTGGATGCTAAAGCC
ATCTTTACTGGCCACTCAGCTGTTGTAGAGGATGTGGCCTGGCACCTGCTGCACGAGTCA
TTGTTTGGATCTGTTGCTGATGATCAGAAACTTATGATATGGGACACCAGGTCCAATACC
ACCTCCAAGCCGAGTCACTTGGTGGATGCGCACACTGCCGAAGTCAACTGCCTCTCATT
AATCCCTACAGCGAATTTATTCTAGCCACCGGCTCTGCGGATAAGACCGTAGCTTTATGG
GATCTGCGTAACTTAAATTAATACTCCATACCTTCAATCTCATAAAGATGAAATTTTC
CAGGTCCACTGGTCTCCACATAATGAAACTATTCTGGCTTCAAGTGGTACTGACCGCCG
CTGAATGTGTGGGATTTAAGTAAATTTGGGAAGAACAATCAGCAGAAGATGCAGAAGAT
GGGCTCCAGAATCCTGTTTATTCATGGAGGACACACTGCTAAGATTTAGATTTTAGC
TGGAAACCCAATGAGCCTTGGGTCATTTGCTCAGTGTCTGAGGATAACATCATGCAGATA
TGGCAAATGGCTGAAAATATTTACAATGATGAAGAGTCAGATGTCACGACATCCGAAGT
GAGGGACAAGGATCTTAA

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Clone variation with respect to NM_002893.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002893 unedited CGTTAGCATTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGAGACCTCGG TACCCGCGAGCGGGGAGGAGGGCAGGAAAGAAGGACGCGGCGTCTGGGGAGCACCCAGGC AGCAAGACGGGGCCCGGGCTTTCGACAGTGGGGAGTGTGACGCGCTTGGGAAAGGCAGGA GCGCCAGCGGTGCGGCTGCTCTTGGCTAACGAGAGGAGTCCGAGGCGCGCGGAGGGGCG AACGACCCGACGAAGATGGCGAGTAAAGAGATGTTGAAGATACTGTGGAGGAGCGTGT CATCAATGAAGAATATAAAATCTGGAAGAAGAATACACCGTTTCTATATGACCTGGTTAT GACCCATGCTCTTCAGTGGCCAGTCTTACCGTTCAAGTGGCTTCCCTGAAGTGAATAAAC TGAAGGAAAAGATTATGCCCTTCATTGGCTAGTGTGGGACTCATACTGCTGATGAGCA GAATCATCTGGTGGTTGCTCGAGTACATATTCCCAATGATGATGCACAGTTTGATGCTTC CCATTGTGACAGTGACAAGGGTGAATTTGGTGGCTTTGGTTCTGTAAACAGGAAAAATTGA ATGTGAAATTAATCAATCACGAAGGAGAAGTAAACCGTGTCTGTTACATGCCGAGAA TCCTCACATCATTGCTACAAAAACACCATCTTCTGATGTGTTGGNTTNTGACTATACAA NACACCCTGCTAAACCAGACCCAAGTGGAGAATGGTATCCTGATCTCAGATTAAGAGGTC CCCACAAGGAAGGCTATGGTCTCTCCTGGAATTCATTTGAGTGGACATCTCCTAAGTGC ATCTGAAGACCTACTGGTTGTCTGTGGGAATAAACGCAGACCAAAAAGAGGCAAAATGTGA TGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002893 unedited AAAATTTAACTATGNNACCGCGGCCGCTTCTNCTANGATCGAGTTTTTTTTTTTTTTTTTT TTTTTTTTTATTTAAAACTTTATTTTCTGCAAAGCCAATCAAGAAGTGTGGAAAGGAAA AAGTGAAAAGTTATTCTTGCATATTTGGGAACAGCAAGCACTTAGTTTGAGAAAATGAG GACTTAAAACAGTTGAATCAAAGCAATACCCTGCTACTTGTATTTAAAATCAATGGGGA TGTTCTTTCTTAAGCAACATTCTTCTTCCCTAATAGCTACAATATGATACAGTACGCA ACAGCTCACTTGAAGTGTAGAAATCAGAGGATAAAGAAGCCATAAGCCACCCCACTTAC ATTTCTACTATACAATGCCTTTTTGGCGCTTGATAAATCAAGCATTTCATGTAGCATTAC ATTCAACAGAAACATTTCTGACTTTGGGTTTAAAGATCCTTGTCCCTCCAGTTCGGATG TCGGGACATCTGACTCTTCATCATTGAAAATATTTTCAGCCATTTGCCATATCTGCATGA TGTTATCCTCAGACACTGAGCAAATGACCCAAGGCTCATTGGGGTTCCAGCTAAAATCTG AAATCTTAGCAGTGTGCTCCTCCATGAATAAACAGGAGTCTGGAGGCCCATCTTCTGCAT CTTCTGCTGATTGTTCTTCCCCATTTTACTTAAATCCCACACATTCAGGCGCGGTCAG TACCATTGAAGCCAGAATAGTTTCATTATGTGGAGACCAGTGGACCTGGAAAATTTTCAT CTTTATGAGATTCGAAGGTATGGAGTTTTAATTTAAGTTACGCAGATCCATAAAGCTA CCGTCCTTATCCGACACCCGGGGCTAGAATAAATTCCTGAAGGGATTGAATGAAAAG CATTTGACCTCCGACG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002893
Insert Size:	1910 bp
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).
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).

Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_002893.2, NP_002884.1</u>
RefSeq Size:	1946 bp
RefSeq ORF:	1278 bp
Locus ID:	5931
UniProt ID:	<u>Q16576</u>
Cytogenetics:	Xp22.2
Domains:	WD40
Protein Families:	Druggable Genome
Gene Summary:	<p>This protein is a ubiquitously expressed nuclear protein and belongs to a highly conserved subfamily of WD-repeat proteins. It is found among several proteins that binds directly to retinoblastoma protein, which regulates cell proliferation. The encoded protein is found in many histone deacetylase complexes, including mSin3 co-repressor complex. It is also present in protein complexes involved in chromatin assembly. This protein can interact with BRCA1 tumor-suppressor gene and may have a role in the regulation of cell proliferation and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p>