

Product datasheet for **SC106969**

RBP5 (NM_031491) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RBP5 (NM_031491) Human Untagged Clone
Tag: Tag Free
Symbol: RBP5
Synonyms: CRBP-III; CRBP3; CRBP III; HRBPiso
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_031491 edited
 ATGCCTCCCAACCTCACTGGCTACTACCGCTTTGTCTCGCAGAAGAACATGGAGGACTAC
 CTGCAAGCCCTAAACATCAGCTTGCTGTGCGGAAGATCGCGCTGCTGCTGAAGCCGGAC
 AAGGAGATCGAACACCAGGGCAACCACATGACGGTGAGGACGCTCAGCACCTCCGAAAC
 TACTACTGTGCAGTTTGTGTGGGAGTGGAGTTTGAGGAGGACCTCAGGAGCGTGGACGGA
 CGAAAATGCCAGACCATAGTAACCTGGGAGGAGGACACCTGGTGTGTGTGCAGAAAAGG
 GAGGTCCCAACCGGGCTGGAGACTGGCTGGAGGGAGAGATGCTGTATCTGGAAGTGC
 ACTGCAAGGGATGCAGTGTGCGAGCAGGTCTTCAGGAAGGTCAGATAG

5' Read Nucleotide Sequence: >OriGene 5' read for NM_031491 unedited
 TCGCATTTTGTAAATACGAACTACTATAGGGCGGCCGCAATTTCGACCAGGCTGGCTGG
 AATCTCTCAGCCTCACCTGCCAGACAACACCCCTCCTTCTCACCTGTCTCCTGCATT
 CTCCTGAAACCTTCATCCACACAATGCCTCCCAACCTCACTGGCTACTACCGCTTTGTCT
 CGCAGAAGAACATGGAGGACTACCTGCAAGCCCTAAACATCAGCTTGCTGTGCGGAAGA
 TCGCGCTGCTGCTGAAGCCGGACAAGGAGATCGAACACCAGGGCAACCACATGACGGTGA
 GGACGCTCAGCACCTCCGAAACTACTGTGCAGTTTGTGTGGGAGTGGAGTTTGAGG
 AGGACCTCAGGAGCGTGGACGGACGAAAATGCCAGACCATAGTAACCTGGGAGGAGGAGC
 ACCTGGTGTGTGTGCAGAAAGGGGAGGTCCCAACCGGGCTGGAGACTGGCTGGAGG
 GAGAGATGCTGTATCTGGAAGTACTGCAAGGGATGCAGTGTGCGAGCAGGTCTTCAGGA
 AGGTGAGATAGCCGGAGAGGAGCAAGATCCCTCCAGACAGCACCAGCTCACAGACGCTC
 TTGTTGTGCCCTTCAAGCCCAGATTGTGCCAGGTGAGTGTCCCTTCTCTGGCCACC
 TTTCTCCCTCTGGGTCCCTCCTCACCCCTCCCATGTTAATCTGTAACCTGCAGCCCC
 AGGCCAAAGTCTTTCTCACACTCCACTGCCCAATAGTGACCTCACTTCCAGGTCAAGGT
 CTGGCGTCCCAATGAAAGAAGCAGCAAAGGGAAGACCCCTGAGAACCAATCTCCGCT
 CTCTCCCTGTCAATTTGACCTCTTTCTTTCTTNTANNNAAAGACTAGCTTTTGGCATTG
 NCGATTTAGTGAATTCTATNCTGATGGACTTCTGGNAACTGTGACTGGGGTTCAAGAT
 TTNNAACAGGGCTACTGGCAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	NotI-NotI
ACCN:	NM_031491
Insert Size:	1100 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_031491.1</u> , <u>NP_113679.1</u>
RefSeq Size:	972 bp
RefSeq ORF:	408 bp
Locus ID:	83758
UniProt ID:	<u>P82980</u>
Cytogenetics:	12p13.31
Domains:	lipocalin
Gene Summary:	<p>The protein encoded by this gene is a cellular retinol-binding protein expressed highly in kidney and liver. Down-regulation of the encoded protein in hepatocellular carcinoma was associated with large tumor size and poor patient survival rates. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>