

Product datasheet for **SC106108**

RPAIN (BC013831) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPAIN (BC013831) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPAIN
Synonyms:	HRIP; RIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC013831, the custom clone sequence may differ by one or more nucleotides

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CAGGGAACGGGTCTTGTGGCTTTGTCTCCCGCAAGAGGAGATGGCGGAGTCGTTGAGGTCTCCGCGCCG
CTCCCTGTACAACTGGTGGGCTCGCCGCTTGGAAAGAGGCTTCCGGCAGAGATGCCTGGAGAGAATG
AGAAACAGCCGGGACAGGCTCCTAAACAGGTACCGCCAGGCTGGAAGCAGTGGGCCAGGGAATTCTCAGA
ACAGCTTCTAGTTCAAGAGGTGATGGAAGAAGAGTGAATGCTTTCAGTCAGTGGAGAATTGTCCAGA
AGACTTGGCTCAGCTGGAGGAGCTGATAGACATGGCTGTGCTGGAGGAAATCAACAGGAGCTGATCAAC
CAAGAGCAGTCCATCATCAGCGAGTATGAGAAGAGCTTGCAGTTTGTGAAAAGTGTCTCAGCATCATGC
TGGCTGAGTGGGAGGCAAACCCACTCATCTGCTGTATGTACAAAGTACAACCTGAGAATCACAAGCGG
TGTGGTGGTGTGTGAGTGTGGCCTGTCCATCCCATCTCATTCTTCTGAGTTGACAGAGCAGAAGCTTCGT
GCCTGTTTAGAGGGTAGTATAAATGAGCACAGTGACATTGTCCCCACACACCTGAATTTTCAGTCACTG
GAGGAACAGAAGAAAAGTCCAGTCTTTTCATGAGCTGTTTGGCCTGTGATACTTGGGCTGTGATCCTTTA
GAGCCAGCTTGGACTCACATCATTTTATGGGGTTGAAGACAACCTATTCCCTTTGAGGAGCCTTGTACAT
ACAAGCCTTTTATTTATAACTTATTTTGTATTGAACTTTTAAACAATACTGAAGAAAAAAAACCTTTTC
CGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC013831 unedited
 GGTTCACATATAGTTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCCGCGA
 AGAGGAGATGGCGGAGTCGTTGAGGTCTCCGCGCCGCTCCCTGTACAAACTGGTGGGCTC
 GCCGCCTTGAAAAGAGGCTTTCCGGCAGAGATGCCTGGAGAGAATGAGAAACAGCCGGGA
 CAGGCTCTAAACAGGTACCGCCAGGCTGGAAGCAGTGGGCCAGGGAATTCTCAGAACAG
 CTTTCTAGTTCAAGAGGTGATGGAAGAAGAGTGAATGCTTTCAGTCACTGGAGAATTG
 TCCAGAAGACTTGGCTCAGTTGGAGGAGCTGATAGACATGGCTGTGCTGGAGGAAATTC
 ACAGGAGCTGATCAAGCAAGGCCTGTGATACTTGGGCTGTGATCCTCTAGAGCCAGCTTG
 GACTCACATCATTCTATGGGGTTGAAGCAACTATTCCCTCTGAGGAGCCTTGTACATA
 CAAGCCTTTTATTATACTTATTTTGTATTGAACTTTTAAACAATACTGAAGAAAAA
 AAATTTTCCGACATCTGTTCTTGGTCTTTTGTGACACAGGTTGAAGGGGAGGAATAGA
 AAAAGACAACTGCCTTGGAGGAGATAACCAATTTTATGTCTATCATGTTATACAAAAA
 TCTAGAAATAATAGATTTGTACAGAAAAATGATTATAAATGAGAGCACCAAAACACAAA
 AAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCC
 CGGTGGGATCCCTGTGACCCCTCCCATGCCTTCTGCCCTGGAAGTGCCACTCCATG
 CCCACAACCTTGTCTATAAAATAAAGTGATCATTGTCTGACCAGGGTCTCTAAAAT
 ATAGGGTGAAGGGGGTGTGGACACAGGGCAACTTGGAAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for BC013831 unedited
 NNTTTTGACTTGGACCGGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTTTTGT
 TTGGGCTCTCATTATTATCATTCTTCTGTACAAATCTATTATTTCTAGATTTTGT
 TAACATGATAGACATAAAATTGGTTTATCTCCTCAAGGCAGTTGTCTTTTCTATTCC
 TCCCCCTCAACCTGTGTACAAAAGACCAAGAACAGATGTCGAAAAGTTTTTTTTTCT
 TCAGTATTGTTTAAAAGTTTCAATACAAAATAAGTTATAAATAAAAGGCTTGTATGTACA
 AGGCTCCTCAGAGGGAATGAGTTGTCTCAACCCATAGAATGATGTGAGTCCAAGCTGG
 CTCTAGAGGATCACAGCCCAAGTATCACAGGCCTTGCTTGATCAGCTCCTGTTGAATTC
 CTCCAGCACAGCCATGTCTATCAGCTCCTCAACTGAGCCAAGTCTTCTGGACAATTCTC
 CACTGACTGCAAAGCATTCCACTCTTCTCCATCACCTCTTGAAGTAGAAAGCTGTTCTG
 AGAATTCCTGGCCCACTGCTTCCACTGGGCGGTACCTGTTTAGGAGCTGCCCGGCT
 GTTCTCATTCTCTCCAGGCATCTGCGGAAAGCCTTTTCCAAGGCGGCGAGCCAC
 CCAGTTTGTACAGGGAGCGNGCGGAGACCTCAACGACTCCGCCATCTNCTNTTTCGC
 GGGCCTCGTGCCGAATTCGCGNCGCCTATAAGGGAGTGTATACAAAATCTTGACGGTT
 CACTAAACGAGCTCTGCTATATAGACCTNCCACCGACACGCTACCGCCATTGCGTACGN
 GGGGGNGGGGATTACGACATTTTGGAAAGTCCGGTGAATTTTGTGCCAAACAACCTCC
 ACATGACGCAAGGGGGGGGAACATTGGAATCCCCCGAGTCAAACCTATCCAGCCCTT
 GGGGC

Restriction Sites:

NotI-NotI

ACCN:

BC013831

Insert Size:

740 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:

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: [BC013831.1](#)

RefSeq Size: 884 bp

RefSeq ORF: 884 bp

Locus ID: 84268

Cytogenetics: 17p13.2

Gene Summary: Mediates the import of RPA complex into the nucleus, possibly via some interaction with importin beta. Isoform 2 is sumoylated and mediates the localization of RPA complex into the PML body of the nucleus, thereby participating in RPA function in DNA metabolism.
[UniProtKB/Swiss-Prot Function]