

## Product datasheet for **SC321870**

### RPAIN (NM\_001033002) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPAIN (NM\_001033002) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RPAIN  
**Synonyms:** HRIP; RIP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001033002.1  
GAGATGGCGGAGTCGTTGAGGTCTCCGCGCCGCTCCCTGTACAACTGGTGGGCTCGCCG  
CCTTGGAAGAGGCTTTCCGGCAGAGATGCCTGGAGAGAATGAGAAACAGCCGGGACAGG  
CTCCTAAACAGGTACCGCCAGGCTGGAAGCAGTGGGCCAGGGAATTCTCAGAACAGCTTT  
CTAGTTCAAGAGGTGATGGAAGAAGAGTGAATGCTTTGCAGTCAGTGGAGAATTGTCCA  
GAAGACTTGGCTCAGTTGGAGGAGCTGATAGACATGGCTGTGCTGGAGGAAATCAACAG  
GAGCTGATCAAGCAAGAGCAGTCCATCATCAGCGAGTATGAGAAGAGCTTGCAGTTTGAT  
GAAAAGTGTCTCAGCATCATGCTGGCTGAGTGGGAGGCAAACCCACTCATCTGCTCCTGTA  
TGTACAAAGTACAACCTGAGAATCACAAGCGGTGTGGTGGTGTGTCAGTGTGGCCTGTCC  
ATCCCATCTCATTCTTCTGAGTTGACAGAGCAGAAGCTTCGTGCCTGTTAGAGGGTAGT  
ATAAATGAGCACAGTGCACATTGTCCCCACACACTGAATTTTCAGTCACTGGAGGAACA  
GAAGAAAAGTCCAGTCTTCTCATGAGCTGTCTGGCCTGTGATACTTGGGCTGTGATCCTC  
TAGAGCCAGCTTGGACTCACATCATTCTATGGGGTTGAAGACAACCTATTCCCTCTGAGG  
AGCCTTGTACATAAAGCCTTTTATTTATAACTTATTTTGTATTGAACTTTTAAACAAT  
ACTGAAGAAAAAAAAAACTTTTCCGAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001033002

**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).



[View online »](#)

<b>OTI Annotation:</b>	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.
<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="#">NM_001033002.1</a> , <a href="#">NP_001028174.1</a>
<b>RefSeq Size:</b>	1536 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	84268
<b>UniProt ID:</b>	<a href="#">Q86UA6</a>
<b>Cytogenetics:</b>	17p13.2
<b>Gene Summary:</b>	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. It encodes isoform b, which has a shorter and distinct C-terminus compared to isoform a.</p>