

## Product datasheet for **RN209423**

### Rpain (NM\_001033060) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rpain (NM\_001033060) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rpain  
**Synonyms:** RGD1308492  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN209423 representing NM\_001033060  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCGAATCCTCGGGTCTCCGCACCGCTTATTGTACAAGCAGGTGGGCTCGCCCCGTGAAAGAAA  
CTTTCAGGCAGGGATGTCTTGAGAGGATGAGAAACAGCCGGCACAAGCTCCTGAACAGGTACCGCCAGGC  
TGCAGGTAGCACACTGGGGACAGCCTCAGACAGACTTCTGTGCAAGAAGTAATGGAGGAAGAGTGAAT  
TCTTTGCAGTCTGTAGAGAACTGTCCAGAGGCCTTGCTTCAGTTGGAATTGCCACTGAACCTAGCTGTGC  
TGCAGGACATCGAACAGGAGCTGTGGAATGAAGAAAAGTCCATCATAAGTGAGTACGAGAAGGGCTTACA  
GTTTGATGAAAGTTGTCTCAACAGCATGTTGGCGGAGTGGGAAGCAAACCCCTCATCTGTCTGTGTGT  
ATAAAGTACAACCTGAGAATTAAGAACAGTGTGGTCACGTGTCCGTGTGGCCTGCACATCCCATCTCACT  
CAACAGACCTGACAGAGCAGAAGCTTCGGGCCTGTTTGAAGGAAATGTGAACGAGCACAGTGCACACTG  
TCCCCACATCCCTGAATTTTCAGTCACCGGTGGAACAGAAGAAAAGCCTAGTCTTCTGTATGAGCTGCCTA  
GCTTATAAGCTACACTGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033060  
**Insert Size:** 651 bp



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<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_001033060.1</a></u> , <u><a href="#">NP_001028232.1</a></u>
<b>RefSeq Size:</b>	739 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	287463
<b>UniProt ID:</b>	<u><a href="#">Q4G2Y1</a></u>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	Mediates the import of RPA complex into the nucleus, possibly via some interaction with importin beta. Sumoylation mediates the localization of RPA complex into the PML body of the nucleus, thereby participating in RPA function in DNA metabolism (By similarity). [UniProtKB/Swiss-Prot Function]