

## Product datasheet for **MC226060**

### Rpain (NM\_001252413) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rpain (NM\_001252413) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rpain  
**Synonyms:** 2400006N03Rik; Rip  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226060 representing NM\_001252413  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGAGTCTCGGGTCTCCGACCGCTTGTGTACAAGCAGGTGGGCTCGCCCCACTGAAAGAAA  
CTTTCAGGCAGGGATGTCTGGAGAGAATGAGAAACAGCAGGCACAGGCTCCTGAACAAATATCGCCAGGC  
TGCAGGTAGCACCCGGGACAGCCTCAGACAGACTTCTGTGCAAGAAGTAATGGAGGAAGAGTGGGCT  
TCTTTGCAGTCTGTGGAGAATTGTCGGAGGCCTTGCTTCAGTTGGAATTGCCACTGGACCTAGCTGTGC  
TGCAGGACATCGAGCAGGAGCTGTGAATGAAGAAAAGTCCATCATAAGCGAGTATGAAGAGGACTTAGA  
GTTTGTGAAAGTTGTCTCAGGAGAATGTTGGCTGAGTGGGAAGCAAACCTCCCTCATCTGTCTGTGTGT  
ATAAAGTACAACCTGAGAATAATGAACAGTGTGGTCACGTGTCCATGTGGCCTGCACATCCCTGTTTACA  
CTTGTGACACCTGGGCTGTGATCCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252413  
**Insert Size:** 519 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001252413.1</a></u> , <u><a href="#">NP_001239342.1</a></u>
<b>RefSeq Size:</b>	1072 bp
<b>RefSeq ORF:</b>	519 bp
<b>Locus ID:</b>	69723
<b>UniProt ID:</b>	<u><a href="#">Q9CWY9</a></u>
<b>Cytogenetics:</b>	11 B4
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1.</p>