

Product datasheet for **MC204714**

Rpain (NM_027186) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpain (NM_027186) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rpain
Synonyms: 2400006N03Rik; Rip
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC047996

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GAGAGATGTGTCTGATTGTCTACTGGACAACCTCCTCTGGGTAACCCAGAACTTTCTCTCAAGATTC
ACCTCCCTCAGCCCGGTGGTGTACTTCTCACTGTCCTCATCTATCCTCGGATTCCTTAA
TCTGTCACTGTGAGGGGATAGAACTAGATAAAATCCAAGAAAGCCCGCGCCCTGAAGTACAGACAGA
CTGCGCCGAGACTACAACCTCCAGAATCCTTTGCGCGCGCTAAGGGGCGGTGATTTGGCGCTGTTCC
CGCTAAGGGAGGAGATGGCAGAGTCTCGGGTCTCCGCACCGCTTGTGTACAAGCAGGTGGGCTCGCC
CCACTGGAAGAAACTTTAGGCAGGGATGTCTGGAGAGAATGAGAAACAGCAGGCACAGGCTCCTGAAC
AAATATCGCCAGGCTGCAGGTAGCACGCCGGGACAGCCTCAGACAGACTTCTTGTGAAGAAGTAAATGG
AGGAAGAGTGGGCTTCTTGCAGTCTGTGGAGAATTGTCCGGAGGCTTGTTCAGTTGGAATTGCCACT
GGACCTAGCTGTGCTGCAGGACATCGAGCAGGAGCTGTGTAATGAAGAAAAGTCCATCATAAGTGAATAC
GAAGAGGACTTAGAGTTTGTGAAAGTTGTCTCAGGAGAATGTTGGCTGAGTGGGAAGCAAACCTCCCTCA
TCTGTCTGTGTATAAAGTACAACCTGAGAATAATGAACAGTGTGGTACGTGTCCATGTGGCCTGCA
CATCCCTGTTCACTCAACAGACCTGACAGAGCAGAAGCTTCGAGCCTGTTTGAAGAAAATGTGAATGAG
CACAGTGTACTGTCCACACCCCTGTGTTCTCAGTACCGGTGGAACAGAAGAGAAGCCAGTCTTC
TGATGAACTGCCTGACTTGTGACACCTGGGCTGTGATCCTTAGCCATCCCGACCTCACACTTCACTACT
GAGCTGAGAACTCATTTCCTGAGAGGGCCCTGTATGCACAAGCCTTTTGTATATAACGGATTTTATA
TTAAAACCTCAGACATCTCTGAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_027186
Insert Size: 660 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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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>BC047996</u> , <u>AAH47996</u>
RefSeq Size:	1093 bp
RefSeq ORF:	660 bp
Locus ID:	69723
UniProt ID:	<u>Q9CWY9</u>
Cytogenetics:	11 B4
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longest isoform (1).