

Product datasheet for **MC200721**

Paip2 (NM_026420) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Paip2 (NM_026420) Mouse Untagged Clone
Tag: Tag Free
Symbol: Paip2
Synonyms: 2310050K10Rik; AU045972
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC010190 sequence for NM_026420
 AGGGAGGCGGGCGGCAAGCGCACGTCGAGCGGGGAGCGGCGCTGCCTGTGGAGATCCGCGGAGGCCGA
 CAGGATTCGTTGGCTACCGTCCCCGCTGCCGTGCACTGGGTTAAAAACGACAACGAGCACCAACCATGAA
 AGATCCAAGTCGCAGCAGTACTAGCCCAAGCATCATCAATGACGATGTGATTATTAACGGTCATTCTCAT
 GAAGAGGATAATCCATTTGCAGAGTACATGTGGATGGAATAATGAAGAGGAATTCAACAGACAAATAGAAG
 AGGAGTTGTGGGAAGAAGAAATTTATTGAACGCTGTTTCCAAGAAATGCTGGAAGAGGAAGAAGAACATGA
 ATGGTTTTATTCCAGCTCGAGATCTCCACAAACTATGGACCAATCCAAGACCAGTTTAATGACCTTGTT
 ATCAGTGATGGCTCTTCTCTGGAAGATCTGTGGTCAAGAGCAATCTGAATCCCAATGCAAAGGAGTTTG
 TTCTGGGGTGAAGTACTGACATGTCTGAGCAGCCGCCGCTTTTGGTGGATGTAGCACAGTTTCCACAC
 TGGGAAGGCAGTGTAGAAAGACTCCATTGTAAGCTCTCGTCACTGTGTACACTTACGCATTGCCAAA
 GTTTTTGTAGTCTTGCATGCTTAATAAAAGTGTGAGACTGTTACTAAGTAAGGAGCTGTCACACAATT
 ACTGAAAGTAGAATTGGCCACGTGGCTTAATGTAAGACAGCAATGGGAGAAGCACCAGTCAACTGTGAC
 AAAGAACCAAAATTAATCACCTCCAATCTCATTGAATTGTCTGTCTTTGAGGCTAAACTGGTCCCTTAA
 GGGTTAGTTGACACGTTTTAATGTCTACACTTTGTATAAATTTAAATTAGGTTCTGATTGTTAAACAGAT
 TTCTCAGTTGCATTTGTCCATCAAAAAAACCCTTTCTGGAGAAAATCTGTTAAATTTTGAAGTAAGTAA
 TTTACAAGAATGTCTTTGAGGTTACAAGGTGATGGTCAGATAGGAGCTAGTCTGGCTTTTGCTGGTGT
 ATTATCATGTTAGGAATACTGAGTTCTCCAGTGTAACTTTGAGGAAAATACAGTTTGGAGCTTGCATCT
 TCTGAAGATTGATTGCATCATCGCCATCATGTGTGAAGTCTAACACAGGACCCACACCAGCCATAATCC
 AACTGAAGCACTCAAAGACGGTAGCATGACTCTGGTGCTTTCCTTGTGTTAACCATCATGACTAT
 AGTCTGCAGCACAACTTTTCTTTTAACAAGCTAGAACAGTTTTGGCTTCTTAAACTTCATATTTGAGTA
 GGTTAAGCTGCCATACGTGTTCAAGTGTGAATAGTGTAAAGTTGAAAATATTGTAAAAAATTATATTTT
 TTCAAAAATATTTAAAAAATT

Restriction Sites: RsrII-NotI
ACCN: NM_026420
Insert Size: 375 bp



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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:	<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>BC010190</u> , <u>AAH10190</u>
RefSeq Size:	1428 bp
RefSeq ORF:	375 bp
Locus ID:	67869
UniProt ID:	<u>Q9D6V8</u>
Cytogenetics:	18 B2
Gene Summary:	Acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. Displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization (By similarity).[UniProtKB/Swiss-Prot Function]