

Product datasheet for **MC200119**

Pabpc1 (BC003870) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pabpc1 (BC003870) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pabpc1
Synonyms:	PABP, Pabpl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003870
 CCGGCTCCGTCGCCCGGCCCGCACTCGCTCTCCTCTCACGGGAAAGGTCGCGGCCTGCGGCCCGC
 GGGCAGCCGTGCCGAGATGAACCCAGCGCCCCAGCTACCCATGGCCTCTGTACGTGGGGACCTG
 CACCCGACGTGACCGAGGCGATGCTCTACGAGAAGTTCAGCCCGGCCGGGCCATCCTCTCCATCCGGG
 TCTGCAGGGACATGATCACCCGCGCTCCTTGGGCTACGCGTACGTGAAC TTCAGCAGCCGGCGGACGC
 GGAACGTGCTTTGGACACCATGAATTTTGTATATAAAGGGCAAGCCAGTACGCATCATGTGGTCTCAG
 CGTGATCCATCACTTCGCAAAAGTGGAGTAGGCAACATATTCATTA AAAAATTTGGACAAATCCATCGACA
 ATAAAGCACTATATGATACGTTTTCTGCGTTTGGTAACATCCTTTTCATGT AAGGTGGTTTGTATGAAAA
 TGGCTCCAAGGGCTATGGATTTGTACACTTTGAAACACAGGAAGCAGCTGAAAGAGCTATTGAAAAAATG
 AATGGGATGCTTCTAAATGATCGTAAAGTGTGGTGGACGATTTAAATCTCGGAAGGAACGAGAAGCAG
 AGCTTGGAGCCAGGGCAAAGGAGTTCACCAATGTTTACATCAAGA ACTTCGGAGAAGACATGGATGATGA
 GCGCCTTAAGGAACTCTTTGGCAAGTTTGGCCTGCCTTAAGTGTGAAAGTAATGACAGATGAAAGTGA
 AAATCCAAAGGATTTGGATTTGAAGCTTTGAAAGGCATGAAGATGCGCAGAAAGCTGTGGATGAGATGA
 ATGGGAAGGAGCTCAATGAAAAACAGATTTATGTTGGACGAGCTCAGAAAAAAGTGAACGGCAGACGGA
 ACTTAAGCGCAAATTTGAGCAGATGAAGCAAGATAGGATCACCAGATATCAGGGTGTGAACCTTTATGTG
 AAAAATCTTGATGACGGGATTGATGATGAGCGTCTCCGGAAGGAGTTTTCTCCGTTTGGTACAATACCA
 GTGCAAAAGTAATGATGGAGGGTGGGCGCAGCAAAGGGTTTTGGTTTTGTATGTTTCTCATCCCCTGAAGA
 AGCCACTAAAGCAGTTACAGAGATGAATGGTAGAATTGTGGCCACGAAGCCACTGTATGTAGCTTTAGCT
 CAGCGCAAAGAAGAGCGCCAGGCTCACCTCACTAACCAGTATATGCAGAGGATGGCAAGTGTACGAGCTG
 TGCCCAACCCCGTGATCAACCCCTACCAGCCAGCACCTCCTTCAGGTTACTTCATGGCAGCTATCCCACA
 GACTCAGAACCGTGCTGCATACTATCCTCCTAGCCAAATGCTCAACTAAGACCAAGTCTCGCTGGACT
 GCTCAGGGTGCCAGACCTCATCCATTCCAGAATATGCCCGGTGCTATCCGCCAGCTGCTCCTAGACCAC
 CATTTAGTACGATGAGACCAGCTTCCTCACAGGTTCCACGATCATGTCAACACAGCGTGTGCTAACAC
 ATCAACACAGACAATGGGTCCACGCTCCTGCAGCTGCTGCTGCTGACGCCACTCCTGTGTCGACCGTT
 CCCCAGTATAAATATGCTGCGGGAGTCCGCAATCCCCAGCAACATCTTAATGCACAGCCACAAGTTACCA
 TGCAACAGCCTGCTGTTTCATGTGCAAGGTCAAGAACCTTTAACTGCTTCCATGTTGGCATCTGCGCCCC
 GCAAGAGCAGAAGCAAATGTTGGGTGAACGGCTGTTTCTCTTATCCAAGCCATGCACCCTTCTCTTGCT
 GGTAAAACTACTGGCATGCTGTTGGAGATTGATAACTCAGAATTACTTCACATGCTCGAGTCTCCAGAGT
 CTCTCCGCTCAAAGGTTGATGAAGCTGTAGCTGTACTACAAGCCACCAAGCGAAAGAGGCTGCCAGAA
 AGCAGTGAACAGTGCCACTGGTGTCCAAGTGTCTAAATGATCAGGGACCACGAACAGAAACTCGTGCT
 TCACCGAAGAAAAATATCTTAAACATCGAAAAATTTAAATATTATGAAAAAAAACATTGCAAAATATAAA
 ATAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC003870

Insert Size: 1911 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).

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:	BC003870 , AAH03870
RefSeq Size:	2118 bp
RefSeq ORF:	1911 bp
Locus ID:	18458
Cytogenetics:	15 B3.1
Gene Summary:	<p>Binds the poly(A) tail of mRNA, including that of its own transcript. May be involved in cytoplasmic regulatory processes of mRNA metabolism such as pre-mRNA splicing. Its function in translational initiation regulation can either be enhanced by PAIP1 or repressed by PAIP2. Can probably bind to cytoplasmic RNA sequences other than poly(A) in vivo. Involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Involved in regulation of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons; for the recognition of premature termination codons (PTC) and initiation of NMD a competitive interaction between UPF1 and PABPC1 with the ribosome-bound release factors is proposed (By similarity). By binding to long poly(A) tails, may protect them from uridylation by ZCCHC6/ZCCHC11 and hence contribute to mRNA stability (By similarity).[UniProtKB/Swiss-Prot Function]</p>