

Product datasheet for MC205561

Pabpn1 (NM_019402) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pabpn1 (NM_019402) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pabpn1
Synonyms:	mPABII; PAB2; Pabp3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC055866

CGATGGCGGGCGGGCGGGCGGGCGGGCAGCAGCAGCGGGGGCTGCGGGCGGTGCGGGCTCCGGGCCGGGGCG
 GCGGCGCCATCTTGTGCCCGGGGCGGTGGGAGGCCGGGAGGGGGACCGGGGGCGCAGGGGACTAC
 GGGAACGGCCTGGAGTCTGAGGAGCTGGAGCCTGGGAGCTGCTGCCGGAGCCCGAGCCGAAGAGGAGC
 CGCCCCGGCCCCGCGCCCTCCGGGAGCTCCGGGTCTGGGCCCGGCTCGGGAGCCCCCGCAGTCAGGA
 GGAGGAGGAAGAGCCGGGACTGGTTGAGGCCGACCCCGGCGACGGCGCCATTGAGGACCCGGAGCTAGAA
 GCGATCAAAGCTCGAGTCAGGGAGATGGAGGAAGAGGCTGAGAAGCTAAAGGAGCTACAAAACGAGGTAG
 AGAAGCAGATGAATATGAGTCCACCCCGAGCAATGCTGGCCAGTGATCATGTCTCTTGAGGAGAAGAT
 GGAGGCTGATGCCGCTCTATCTACGTTGGCAATGTGGACTATGGTGCAACAGCAGAAGAGCTGGAAGCC
 CATTTTCATGGCTGTGGTTCAGTCAACCGTGTTACTATACTCTGTGACAAATTTAGTGGCCATCCCAAAG
 GGTTTGCATATATAGAGTTCTCGGACAAAGAGTCAGTGAGGACGTCCTGGCCTTAGATGAGTCCCTGTT
 CAGAGGAAGACAAATCAAGGTGATTCCCAAACGAACCAACAGACCAGGCATCAGCACAACAGACCGGGGT
 TTCCCGCGCTCCCGATACCGTGCCCGGACTACCAACTACAACAGCTCCCGATCTCGATTCTACAGTGGTT
 TTAACAGCAGGCCCGGGGTGCAATCTACAGGGGCCGGGCTAGAGCGACATCATGGTATTCCTTACTA
 AAAAAAGTGTGTATTAGGAGGAGAGAGAAAAAAGAGGAAAGGAAAAAAGAAATTAATAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_019402
Insert Size:	909 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).


[View online »](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC055866 , AAH55866
RefSeq Size:	1002 bp
RefSeq ORF:	909 bp
Locus ID:	54196
UniProt ID:	Q8CCS6
Cytogenetics:	14 27.98 cM
Gene Summary:	<p>Involved in the 3'-end formation of mRNA precursors (pre-mRNA) by the addition of a poly(A) tail of 200-250 nt to the upstream cleavage product. Stimulates poly(A) polymerase (PAPOLA) conferring processivity on the poly(A) tail elongation reaction and controls also the poly(A) tail length. Increases the affinity of poly(A) polymerase for RNA. Is also present at various stages of mRNA metabolism including nucleocytoplasmic trafficking and nonsense-mediated decay (NMD) of mRNA. Cooperates with SKIP to synergistically activate E-box-mediated transcription through MYOD1 and may regulate the expression of muscle-specific genes. Binds to poly(A) and to poly(G) with high affinity. May protect the poly(A) tail from degradation. Subunit of the trimeric poly(A) tail exosome targeting (PAXT) complex, a complex that directs a subset of long and polyadenylated poly(A) RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters (By similarity). [UniProtKB/Swiss-Prot Function]</p>