

Product datasheet for **SC118549**

PABP (PABPC1) (NM_002568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PABP (PABPC1) (NM_002568) Human Untagged Clone
Tag:	Tag Free
Symbol:	PABP
Synonyms:	PAB1; PABP; PABP1; PABPC2; PABPL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118549 sequence for NM_002568 edited (data generated by NextGen Sequencing)

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ATGAACCCAGTGCCCCAGCTACCCCATGGCCTCGCTCTACGTGGGGGACCTCCACCCC
GACGTGACCGAGGCGATGCTCTACGAGAAGTTCAGCCCGCCGGGCCATCCTCTCCATC
CGGGTCTGCAGGGACATGATCACCCGCGCTCCTGGGCTACGCGTATGTGAACCTCCAG
CAGCCGGCGGACCGGAGCGTGTCTGGACACCATGAATTTTGATGTTATAAAGGGCAAG
CCAGTACGCATCATGTGGTCTCAGCGTGATCCATCACTTCGAAAAGTGGAGTAGGCAAC
ATATTCATTAAAAATCTGGACAAAATCCATTGATAATAAAGCACTGTATGATACATTTTCT
GCTTTTGGTAACATCCTTTCATGTAAGGTGGTTTGTGATGAAAATGGTTCCAAGGCTAT
GGATTTGTACACTTTGAGACGCAGGAAGCAGCTGAAAAGCTATTGAAAAATGAATGGA
ATGCTCTAAATGATCGCAAAGTATTTGTTGGACGATTTAAGTCTCGTAAAGAACGAGAA
GCTGAACTTGGAGCTAGGGCAAAGAATTCACCAATGTTTACATCAAGAATTTTGGAGAA
GACATGGATGATGAGCGCCTTAAGGATCTCTTTGGCAAGTTTGGGCTGCCTTAAGTGTG
AAAGTAATGACTGATGAAAGTGGAAAATCAAAGGATTTGGATTTGTAAGCTTTGAAAGG
CATGAAGATGCACAGAAAGCTGTGGATGAGATGAACGGAAGGAGCTCAATGGAAAACAA
ATTTATGTTGGTTCGAGCTCAGAAAAAGTGGAAACGGCAGACGGAACCTTAAGCGCAATTT
GAACAGATGAAACAAGATAGGATCACCAGATACCAGGGTGTAAATCTTTATGTGAAAAAT
CTTGATGATGGTATTGATGATGAACGTCTCCGAAAGAGTTTTCTCCATTTGGTACAATC
ACTAGTGCAAAGGTTATGATGGAGGGTGGTTCGACGAAAGGGTTTGGTTTTGTATGTTTC
TCCTCCCAGAAAGCCACTAAAGCAGTTACAGAAATGAACGGTAGAATTGTGGCCACA
AAGCCATTGTATGTAGCTTTAGCTCAGCGCAAAGAAGAGCGCCAGGCTCACCTACTAAC
CAGTATATGCAGAGAATGGCAAGTGTACGAGCTGTTCCCAACCCTGTAATCAACCCTAC
CAGCCAGCACCTCCTTCAGTTACTTTCATGGCAGCTATCCCACAGACTCAGAACCCTGCT
GCATACTATCCTCCTAGCCAAATGCTCAACTAAGACCAAGTCCCTCGCTGGACTGCTCAG
GGTGCCAGACCTCATCCATTCAAAAATATGCCCGGTGCTATCCGCCAGCTGCTCCTAGA
CCACCATTTAGTACTATGAGACCAGCTTCTTACAGGTTCCACGAGTCATGTCAACACAG
CGTGTGCTAACACATCAACACAGACAATGGGTCCACGTCTGCAGCTGCAGCCGCTGCA
GCTACTCCTGCTGCCGACCGTTCCACAGTATAAATATGCTGCAGGAGTTGCAATCCT
CAGCAACATCTTAATGCACAGCCACAAGTTACAATGCAACAGCCTGCTGTTTATGTACAA
GGTCAGGAACCTTTGACTGCTTCCATGTTGGCATCTGCCCTCCTCAAGAGCAAAAAGCAA
ATGTTGGGTGAACGGCTGTTTCTTATTCAAGCCATGCACCCTACTCTTGCTGGTAAA
ATCACTGGCATGTTGTTGGAGATTGATAATTCAGAACTTCTTCATATGCTCGAGTCTCCA
GAGTCACTCCGTTCTAAGGTTGATGAAGCTGTAGCTGTACTACAAGCCCACCAAGCTAAA
GAGGCTGCCAGAAAGCAGTTAACAGTGCCACCGGTGTTCCAAGTGTAA
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Clone variation with respect to NM_002568.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002568 unedited
 NGGTCANAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGTAAAAAC
 CCCAAAAAATTACAAAAATCCGCGTCTCCCCCGCCGGAGACTTTTATTTTTTTCTTC
 CTCTTTTATAAAATAACCCGGTGAAGCAGCCGAGACCCGCCCGCCCGCGGCCCGC
 AGCAGCTCCAAGAAGGAACCAAGAGACCGAGGCCTTCCCGCTGCCCGACCCGACCCGC
 CACCCTCGTCCCCGCGGCAGCCGCGCAGCCAGCGGCAGTGGATCGACCCCGTTCTGCGG
 CCGTTGAGTAGTTTTCAATTCGGTTGATTTTTGTCCCTCTGCGCTTGCTCCCCGCTCCC
 CTCCCCCGGCTCCGGCCCCAGCCCCGGCACTCGCTCTCCTCCTCACGGAAAAGGTCCG
 CGGCCTGTGGCCCTGCGGGCAGCCGTGCCGAGATGAACCCAGTGCCCCAGCTACCCCA
 TGGCCTCGCTCTACGTGGGGACCTCCACCCGACGTGACCGAGGCGATGCTCTACGAGA
 AGTTTCAGCCCGCCGGGCCATCCTCTCCATCCGGGTCTGACGGGACATGATCACCCGCC
 GCTCCTGGGCTACGCGTATGTGAATTCAGCAGCCGGCGGACGCGGAGCGTCTTTGG
 ACACCATGAATTTGATGTTATAAAGGGCAAGCCAGTACGCATCATGTGGTCTCAGCGTG
 ATCCATCACTTCGCANAAGTGGAGTAGGCAACATATTCATTAATAAATCTGGACAAATCCA
 TTGATAATAAAGCACTGTATGATACATTNTCTGCTTTTGGGTACATCCTTTCATGTAGGT
 GGNTTGATGAAATGGTCCAAGGCTATGGATTTGACACTCTGAGACGCGAGAACAGCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002568 unedited
 CGGCCGAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTATTTTATATTTTGAAT
 GTTTTTTTCCATAATATTTAAGTTTTTCGATGTTTAAATATTTTCTTCGGTGAAGCAC
 AAGTTTCTTTTCATGGTCCCTGATCAATTTTAAACAGTTGGAACACCCGGTGGCACTGTTA
 ACTGCTTTCTGGGCAGCCTCTTTAGCTTGGTGGGCTTGTAGTACAGCTACAGCTTCATCA
 ACCTTAGAACGGAGTGACTCTGGAGACTCGAGCATATGAAGAAGTTCTGAATTATCAATC
 TCCAACAACATGCCAGTGATTTTACCAGCAAGAGTAGGGTGCATGGCTTGAATAAGAGGA
 AACAGCCGTTACCCAACATTTGCTTTTGTCTTTGAGGAGGGGAGATGCCAACATGGAA
 GCAGTCAAAGGTTCTGACCTTGTACATGAACAGCAGGCTGTTGCATTGTAACCTGTGGC
 TGTGCATTAAGATGTTGCTGAGGATTGCGAACTCCTGCAGCATATTTATACTGTGGAACG
 GTGCGGACAGCAGGAGTAGCTGCAGCGGCTGCAGCTGCAGGACGTGGACCCATTGTCTGT
 GTTGATGTTAGCAACACGCTGTGTTGACATGACTCGTGAACCTGTGAAGAAGCTGGT
 CTCATAGTACTAAATGGTGGTCTANGAGCAGCTGGGCGGATAGCACCCNGGCATATTTGG
 AATGGATGANGTCTGGCACCTGAGCAGTCCAGCGAGGACTTGGTCTTANNTGAGCAATT
 TGCTANGAAGAAGTATGCCACACGGNTCTGAGTCTGTGGGATAACTGCATGAAAAACCTT
 AAGAGTGCCTGCCTGTAGGGGNTGATACAGTTTGGGACACNTCGACACCTGCCATCCTG
 CATAACTGGNTANGGAGGGAGCCTGGCGCTCTTCTGGCCGAGCAAACACTACTACAGGGCT
 TGGA

Restriction Sites:

NotI-NotI

ACCN:

NM_002568

Insert Size:

2570 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:

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: [NM_002568.3](#), [NP_002559.2](#)

RefSeq Size: 2869 bp

RefSeq ORF: 1911 bp

Locus ID: 26986

UniProt ID: [P11940](#)

Cytogenetics: 8q22.3

Domains: RRM, PABP, RRM_1

Gene Summary: This gene encodes a poly(A) binding protein. The protein shuttles between the nucleus and cytoplasm and binds to the 3' poly(A) tail of eukaryotic messenger RNAs via RNA-recognition motifs. The binding of this protein to poly(A) promotes ribosome recruitment and translation initiation; it is also required for poly(A) shortening which is the first step in mRNA decay. The gene is part of a small gene family including three protein-coding genes and several pseudogenes.[provided by RefSeq, Aug 2010]