

Product datasheet for **SC325261**

PABPC4 (NM_001135653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PABPC4 (NM_001135653) Human Untagged Clone
Tag:	Tag Free
Symbol:	PABPC4
Synonyms:	APP-1; APP1; iPABP; PABP4
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001135653, the custom clone sequence may differ by one or more nucleotides

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ATGAACGCTGCGGCCAGCAGCTACCCCATGGCCTCCCTGTACGTGGGCGACCTGCATTCCG
GACGTCACCGAGGCCATGCTGTACGAAAAGTTCAGCCCCGCGGGGCTGTGCTGTCCATC
CGGGTCTGCCGCGATATGATCACCCGCGCTCCCTGGGCTATGCCTACGTCAACTCCAG
CAGCCGGCCGACGCTGAGCGGGCTTTGGACACCATGAACTTTGATGTGATTAAGGGAAAG
CCAATCCGCATCATGTGGTCTCAGAGGGATCCCTCTTTGAGAAAATCTGGTGTGGGAAAC
GTCTTCATCAAGAACCTGGACAAAATCTATAGATAACAAGGCACCTTATGATACTTTTTCT
GCTTTTGAAACATACTGTCTGCAAGGTGGTGTGTGATGAGAACGGCTCTAAGGGTTAT
GCCTTTGTCCACTTCGAGACCCAAGAGGCTGCCGACAAGGCCATCGAGAAGATGAATGGC
ATGCTCCTCAATGACCGCAAAGTATTTGTGGGCAGATTCAAGTCTCGCAAAGAGCGGGAA
GCTGAGCTTGAGCCAAAGCCAAGGAATCACCAATGTTTATATCAAAAATTTGGGGAA
GAGGTGGATGATGAGAGTCTGAAAGAGCTATTCAGTCAGTTTGGTAAGACCCTAAGTGTC
AAGGTGATGAGAGATCCCAATGGGAAATCAAAGGCTTTGGCTTTGTGAGTTACGAAAAA
CAGGAGATGCCAATAAGGCTGTGGAAGAGATGAATGGAAAAGAATAAGTGGTAAAATC
ATATTTGTAGGCCGTGCACAAAAGAAAGTGAACGGCAGGCGAGAGTTAAAACGGAAATTT
GAACAGTTGAAACAGGAGAGAATTAGTCGATATCAGGGGGTGAATCTCTACATTAAGAAC
TTGGATGACACTATTGATGATGAGAAATTAAGGAAAGAATTTTCTCTTTTGGATCAATT
ACCAGTGCTAAGGTAATGCTGGAGGATGGAAGAAGCAAAGGGTTTGGCTTCGTCGCTTC
TCATCTCCTGAAGAAGCAACCAAGCAGTCACTGAGATGAATGGACGCATTGTGGGCTCC
AAGCCACTATATGTTGCCCTGGCCCAGAGGAAGGAAGAGAGAAAGGCTCACCTGACCAAC
CAGTATATGCAACGAGTGGTGGAAATGAGAGCACTTCTGCCAATGCCATCTTAAATCAG
TTCCAGCCTGCAGCGGGTGGCTACTTTGTGCCAGCAGTCCCACAGGCTCAGGGAAGGCCT
CCATATTATACACCTAACCAAGTTAGCACAGATGAGGCCTAATCCACGCTGGCAGCAAGGT
GGGAGACCTCAAGGCTTCCAAGGAATGCCAAGTGTATACGCCAGTCTGGGCTCGTCCA
ACTCTTCGCCATCTGGCTCCAAGTGGTAAATGCTCCGGCCTCTCGTGGCCTCCCTACTACC
ACTCAGAGAGTCGGGTCTGAGTGCCCGGACCGCTTGGCTATGGACTTTGGTGGGGCTGGT
GCCGCCCAGCAAGGGCTGACTGACAGCTGCCAGTCTGGAGGCGTCCCACAGCTGTGCAG
AACTTAGCGCCACGCGTGTGTTGCTGCTGCTGCTCCCCGGGCTGTTGCCCCCTACAAA
TACGCCTCCAGTGTCCGAGCCCTCATCCTGCCATACAGCCTCTGCAGGCACCCAGCCT
GCGGTCCATGTGCAGGGCAGGAGCCACTGACTGCCTCCATGCTGGCTGCAGCACCCCCC
CAGGAACAGAAGCAGATGCTGGGAGAAGCCTTGTCCCACTCATCAAACAATGCATTCA
AATCTGGCTGGGAAGATCACGGGAATGCTGCTGGAGATAGACAACTCTGAGCTGTGCAC
ATGTTAGAGTCCCCGAGTCTCTCCGCTCCAAGGTGGATGAAGCTGTAGCAGTTCTACAG
GCTCATCATGCCAAGAAAGAAGCTGCCAGAAGGTGGGCGCTGTTGCTGCTGCTACCTCT

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- Restriction Sites:** Please inquire
- ACCN:** NM_001135653
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001135653.1](#), [NP_001129125.1](#)

RefSeq Size: 3230 bp

RefSeq ORF: 1983 bp

Locus ID: 8761

UniProt ID: [Q13310](#)

Cytogenetics: 1p34.3

Gene Summary: Poly(A)-binding proteins (PABPs) bind to the poly(A) tail present at the 3-prime ends of most eukaryotic mRNAs. PABPC4 or IPABP (inducible PABP) was isolated as an activation-induced T-cell mRNA encoding a protein. Activation of T cells increased PABPC4 mRNA levels in T cells approximately 5-fold. PABPC4 contains 4 RNA-binding domains and proline-rich C terminus. PABPC4 is localized primarily to the cytoplasm. It is suggested that PABPC4 might be necessary for regulation of stability of labile mRNA species in activated T cells. PABPC4 was also identified as an antigen, APP1 (activated-platelet protein-1), expressed on thrombin-activated rabbit platelets. PABPC4 may also be involved in the regulation of protein translation in platelets and megakaryocytes or may participate in the binding or stabilization of polyadenylates in platelet dense granules. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]
Transcript Variant: This variant (1) encodes the longest isoform (1).