

Product datasheet for **SC325253**

PABPC4 (NM_001135654) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PABPC4 (NM_001135654) Human Untagged Clone
Tag:	Tag Free
Symbol:	PABPC4
Synonyms:	APP-1; APP1; iPABP; PABP4
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001135654, the custom clone sequence may differ by one or more nucleotides <pre> ATGAACGCTGCGGCCAGCAGCTACCCCATGGCCTCCCTGTACGTGGGCGACCTGCATTGC GACGTACCCGAGGCCATGCTGTACGAAAAGTTAGCCCCGCGGGGCTGTGCTGTCCATC CGGGTCTGCCGCGATATGATCACCCGCGCTCCCTGGGCTATGCCTACGTCAACTTCCAG CAGCCGGCCGACGCTGAGCGGGCTTTGGACACCATGAACCTTTGATGTGATTAAGGGAAAG CCAATCCGCATCATGTGGTCTCAGAGGGATCCCTCTTTGAGAAAATCTGGTGTGGGAAAC GTCTTCATCAAGAACCTGGACAAATCTATAGATAACAAGGCACTTTATGATACTTTTTCT GCTTTTGAAACATACTGTCTGCAAGGTGGTGTGTGATGAGAACGGCTCTAAGGTTAT GCCTTTGTCCACTTCGAGACCCAAGAGGCTGCCGACAAGGCCATCGAGAAGATGAATGGC ATGCTCTCAATGACCGCAAAGTATTTGTGGGCAGATTCAAGTCTCGCAAAGAGCGGGAA GCTGAGCTTGAGCCAAAGCCAAGGAATCACCAATGTTTATATCAAAAACCTTTGGGGAA GAGGTGGATGATGAGAGTCTGAAAGAGCTATTCAGTCAGTTTGGTAAGACCCTAAGTGTC AAGGTGATGAGAGATCCCAATGGGAAATCCAAAGGCTTTGGCTTTGTGAGTTACGAAAAA CACGAGGATGCCAATAAGGCTGTGGAAGAGATGAATGGAAAAGAAATAAGTGGTAAAATC ATATTTGTAGGCCGTGCACAAAAGAAAGTAGAACGGCAGGCAGAGTTAAACGGAATTT GAACAGTTGAAACAGGAGAGAATTAGTCGATATCAGGGGGTGAATCTCTACATTAAGAAC TTGGATGACACTATTGATGATGAGAAATTAAGGAAAGAAATTTCTCTTTTGGATCAATT ACCAGTGCTAAGGTAATGCTGGAGGATGGAAGAAGCAAAGGGTTTGGCTTCGTCTGCTTC TCATCTCTGAAGAAGCAACCAAGCAGTCACTGAGATGAATGGACGCATTGTGGGCTCC AAGCCACTATATGTTGCCCTGGCCAGAGGAAGGAAGAGAGAAAGGCTCACCTGACCAAC CAGTATATGCAACGAGTGGCTGGAATGAGAGCACTTCTGCCAATGCCATCTTAAATCAG TTCCAGCCTGCAGCGGGTGGCTACTTTGTGCCAGCAGTCCCACAGGCTCAGGGAAGGCCT CCATATTATACACCTAACCAAGTTAGCACAGATGAGGCCTAATCCACGCTGGCAGCAAGGT GGGAGACCTCAAGGCTTCCAAGGAATGCCAAGTGTATACGCCAGTCTGGGCCTCGTCCA ACTCTTCGCCATCTGGCTCCAAGTGGTAATGCTCCGGCCTCTCGTGGCCTCCCTACTACC ACTCAGAGAGTCGGCGTTCCACAGCTGTGCAGAACTTAGCGCCACGCGCTGCTGTTGCT GCTGCTGCTCCCGGGCTGTTGCCCCCTACAAATACGCCTCCAGTGTCCGCAGCCCTCAT CCTGCCATACAGCCTCTGCAGGCACCCAGCCTGCGGTCCATGTGCAGGGGCAGGAGCCA CTGACTGCCTCCATGCTGGCTGCAGCACCCCCCAGGAACAGAAGCAGATGCTGGGAGAA CGTTGTTCCCACTCATCAAACAATGCATTCAAATCTGGCTGGGAAGATCACGGGAATG CTGCTGGAGATAGACAACTCTGAGCTGCTGCACATGTTAGAGTCCCCGAGTCTCTCCGC TCCAAGGTGGATGAAGCTGTAGCAGTTCTACAGGCTCATCATGCCAAGAAAGAAGCTGCC CAGAAGGTGGGCGCTGTTGCTGCTGCTACCTCT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001135654
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:	<u>NM_001135654.1, NP_001129126.1</u>
RefSeq Size:	3143 bp
RefSeq ORF:	1896 bp
Locus ID:	8761
UniProt ID:	<u>Q13310</u>
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 (3) lacks an in-frame coding exon, as compared to variant 1. The resulting isoform (3) lacks an internal segment, as compared to isoform 1.