



# Recombinant Human Polyadenylate-binding protein 4 (PABPC4)

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| <b>Product Code</b>      | CSB-MP615676HU   |
| <b>Abbreviation</b>      | PABPC4   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q13310   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MNAAASSYPM ASLYVGDLS DVTEAMLYEK FSPAGPVLSI RVCRCMITRR<br>SLGYAYVNFQ QPADAERALD TMNFDVIK GK PIRIMWSQRD PSLRKSGVGN<br>VFIKNDKSI DNKALYDTFS AFGNILSCKV VCDENGSKGY AFVHFETQEA<br>ADKAIEKMNG MLLNDRKVFV GRFKSRKERE AELGAKAKEF TNVYIKNFGE<br>EVDDESLKEL FSQFGKTL SV KVMRDPNGKS KGFGFVSYEK HEDANKAVEE<br>MNGKEISGKI IFVGRAQKKV ERQAELKRKF EQLKQERISR YQGVNLYIKN<br>LDDTIDDEKL RKEFSPFGSI TSAKVMLEDG RSKGFGFVCF SSPEEATKAV<br>TEMNGRIVGS KPLYVALAQR KEERKAHLTN QYMQRVAGMR ALPANAILNQ<br>FQPAAGGYFV PAVPQAQGRP PYYTPNQLAQ MRPNPRWQQG<br>GRPQGFQGM P SAIRQSGPRP TLRHLAPTGS ECPDRLAMDF<br>GGAGAAQQGL TDSCQSGGVP TAVQNLAPRA AVAAAAPRAV APYKYASSVR<br>SPHPAIQPLQ APQPAVHVQG QEPLTASMLA AAPPQEQQQM LGERLFPLIQ<br>TMHSNLAGKI TGMLLEIDNS ELLHMLESPE SLRSKVDEAV AVLQAHHAKK<br>EAAQKVGAVA AATS |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | PABPC4   |
| <b>Protein Names</b>     | Recommended name: Polyadenylate-binding protein 4 Short name= PABP-4<br>Short name= Poly(A)-binding protein 4 Alternative name(s): Activated-platelet<br>protein 1 Short name= APP-1 Inducible poly(A)-binding protein Short nam   |
| <b>Expression Region</b> | 1-644  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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