

Product datasheet for **TP509653**

Pabpc1 (NM_008774) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse poly(A) binding protein, cytoplasmic 1 (Pabpc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR209653 protein sequence Red =Cloning site Green =Tags(s) MNPSAPSYPMASLYVGDLPDVTEAMLYEKFSPAGPILSIRVCRDMITRRSLGYAYVNFQQPADAERALD TMNFDVIKGPVRIMWSQRDPSLRKSGVGNIFIKNLDKSIDNKALYDTFSAFGNILSCKVVCDENGSKGY GFVHFETQEAERAIEKMNGMLLNDRKVFVGRFKSRKERAELGARAKEFTNVYIKNFGEDMDDERLREL FGKFGPALSVKVMTDESGKSKGFGFVSFERHEDAQKAVDEMNGKELNGKQIYVGRAQKKVERQTELKRKF EQMKQDRITRYQGVNLYVKNLDDGIDDERLRKEFSPFGTITSAKVMMEGGRSKGFGFVCFSSPEEATKAV TEMNGRIVATKPLYVALAQRKEERQAHLTNQYMQRMASVRVNPVINPYQPAPPSGYFMAAIPQTQNR A AYYPPSQIAQLRPSRWTAQGARPFPFQNMPGAIRPAAPRPPFSTMRPASSQVPRVMSTQRVANTSTQT M GPRPAAAAAATPAVRTVPQYKYAAGVRNPQQHLNAQPQVTMQQPAVHVQGQEPLTASMLASAPPQE QKQ MLGERLFLPIQAMHPSLAGKITGMLLEIDNSELLHMLESPESLSKVD EAVAVLQAHQAKEAAQKAVNSA TGVPTV SGPTRTRPLE QKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 71.1 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |


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| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_032800</u> |
| Locus ID: | 18458 |
| UniProt ID: | <u>P29341</u> |
| RefSeq Size: | 2842 |
| Cytogenetics: | 15 B3.1 |
| RefSeq ORF: | 1908 |
| Synonyms: | ePAB; PABP; Pabp1; Pabpl; Pabpl1 |
| Summary: | <p>Binds the poly(A) tail of mRNA, including that of its own transcript. May be involved in cytoplasmic regulatory processes of mRNA metabolism such as pre-mRNA splicing. Its function in translational initiation regulation can either be enhanced by PAIP1 or repressed by PAIP2. Can probably bind to cytoplasmic RNA sequences other than poly(A) in vivo. Involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Involved in regulation of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons; for the recognition of premature termination codons (PTC) and initiation of NMD a competitive interaction between UPF1 and PABPC1 with the ribosome-bound release factors is proposed (By similarity). By binding to long poly(A) tails, may protect them from uridylation by ZCCHC6/ZCCHC11 and hence contribute to mRNA stability (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p> |