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Datasheet for ABIN5710061

PABP Protein (AA 1-370, partial) (His-SUMO Tag)

1 Image

Overview

| | |
|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | PABP (PABPC1) |
| Protein Characteristics: | AA 1-370, partial |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PABP protein is labelled with His-SUMO Tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

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|---------------|---|
| Sequence: | MNPSAPSYPM ASLYVGLHP DVTEAMLYEK FSPAGPILSI RVCRDMITRR SLGYAYVNFQ QPADAERALD TMNFDVIKGG PVRIMWSQRD PSLRKSGVGN IFIKNLDKSI DNKALYDTFS AFGNILSCKV VCDENGSKGY GFVHFETQEA AERAIEKMNG MLLNDRKVFV GRFKSRKERE AELGARAKEF TNVYIKNFGE DMDDERLKDL FGKFGPALS SVKVMTDESGKS KGFGFVSFER HEDAQKAVDE MNGKELNGKQ IYVGRAQKKV ERQTELKRKF EQMKQDRITR YQGVNLYVKN LDDGIDDERL RKEFSPFGTI TSAKVMMEGG RSKGFGFVCF SSPEATKAV TEMNGRIVAT KPLYVALAQR |
| Purification: | SDS-PAGE |
| Purity: | > 90 % |

Target Details

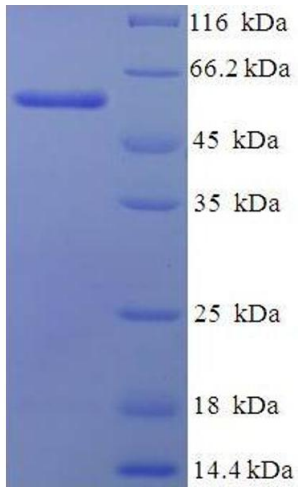
| | |
|-------------------|--|
| Target: | PABP (PABPC1) |
| Alternative Name: | PABP1 (PABPC1 Products) |
| Background: | Binds the poly(A) tail of mRNA, including that of its own transcript. May be involved in cytoplasmic regulatory processes of mRNA metabolism such as pre-mRNA splicing. Its function 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. |
| Molecular Weight: | 57.8 kDa |
| UniProt: | P11940 |
| Pathways: | SARS-CoV-2 Protein Interactome |

Application Details

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|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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|------------------|---|
| Format: | Liquid |
| Concentration: | 0.1-2 mg/mL |
| Buffer: | 20 mM Tris-HCl based buffer, pH 8.0 |
| Storage: | -80 °C, 4 °C, -20 °C |
| Storage Comment: | Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |



SDS-PAGE

Image 1.