

# Datasheet for ABIN3094395

# PABP Protein (AA 1-636) (Strep Tag)



#### Go to Product page

_				
( )	ve.	rv/	101	Λ

Quantity:	250 μg
Target:	PABP (PABPC1)
Protein Characteristics:	AA 1-636
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PABP protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details		
Brand:	AliCE®	
Sequence:	MNPSAPSYPM ASLYVGDLHP DVTEAMLYEK FSPAGPILSI RVCRDMITRR SLGYAYVNFQ	
	QPADAERALD TMNFDVIKGK PVRIMWSQRD PSLRKSGVGN IFIKNLDKSI DNKALYDTFS	
	AFGNILSCKV VCDENGSKGY GFVHFETQEA AERAIEKMNG MLLNDRKVFV GRFKSRKERE	
	AELGARAKEF TNVYIKNFGE DMDDERLKDL FGKFGPALSV KVMTDESGKS KGFGFVSFER	
	HEDAQKAVDE MNGKELNGKQ IYVGRAQKKV ERQTELKRKF EQMKQDRITR YQGVNLYVKN	
	LDDGIDDERL RKEFSPFGTI TSAKVMMEGG RSKGFGFVCF SSPEEATKAV TEMNGRIVAT	
	KPLYVALAQR KEERQAHLTN QYMQRMASVR AVPNPVINPY QPAPPSGYFM AAIPQTQNRA	
	AYYPPSQIAQ LRPSPRWTAQ GARPHPFQNM PGAIRPAAPR PPFSTMRPAS SQVPRVMSTQ	
	RVANTSTQTM GPRPAAAAAA ATPAVRTVPQ YKYAAGVRNP QQHLNAQPQV TMQQPAVHVQ	
	GQEPLTASML ASAPPQEQKQ MLGERLFPLI QAMHPTLAGK ITGMLLEIDN SELLHMLESP	
	ESLRSKVDEA VAVLQAHQAK EAAQKAVNSA TGVPTV	

Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

#### Characteristics:

#### Key Benefits:

- · Made in Germany from design to production by highly experienced protein experts.
- · Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a **made-to-order protein** and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

The big advantage of ordering our **made-to-order proteins** in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Expression System:

- ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require posttranslational modifications.
- During lysate production, the cell wall and other cellular components that are not required for
  protein production are removed, leaving only the protein production machinery and the
  mitochondria to drive the reaction. During our lysate completion steps, the additional
  components needed for protein production (amino acids, cofactors, etc.) are added to
  produce something that functions like a cell, but without the constraints of a living system all that's needed is the DNA that codes for the desired protein!

## Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- · The protein's absorbance will be measured against its specific reference buffer.
- · We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).	
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).	

Molecular Weight: 70.7 kDa

Pathways: SARS-CoV-2 Protein Interactome

P11940

## **Application Details**

UniProt:

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

## **Application Details**

Expiry Date:

12 months

Application Details		
	guarantee though.	
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from	
	Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce	
	even the most difficult-to-express proteins, including those that require post-translational	
	modifications.	
	During lysate production, the cell wall and other cellular components that are not required for	
	protein production are removed, leaving only the protein production machinery and the	
	mitochondria to drive the reaction. During our lysate completion steps, the additional	
	components needed for protein production (amino acids, cofactors, etc.) are added to produce	
	something that functions like a cell, but without the constraints of a living system - all that's	
	needed is the DNA that codes for the desired protein!	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	The buffer composition is at the discretion of the manufacturer.	
	Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b>	
Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-80 °C	
Storage Comment:	Store at -80°C.	