

Datasheet for ABIN3131034

## CSPP1 Protein (AA 1-1205) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	CSPP1 (Cspp1)
Protein Characteristics:	AA 1-1205
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSPP1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MADSLDEFIE EQKAKLAKDK AELESDPPYM EMKGKASEKL SENSKILISM AKENIPPSSQ</p> <p>QQPKGPLGIE YGLSLPLGED YEQKKHKLKE ELRQDYRRYL TQGITQAKRK KNFLSTGETD</p> <p>PSTLGVSLPI DERLSAKERL KLERNREYNQ FLRGKAESTE KVRQVEKNIE PKSQRNKNPI</p> <p>SQGKSDLPLQ IQTAYTHSEG PWLSRQEEGL YRQLDGEIEL RSRRLPKQTK EEVGISGAEH</p> <p>PSLSGSAGVP ERRARRANGE RVLDRQHCRA DRDPGVSEDM DERFRFESDF DRLLRVYTN</p> <p>GRPHGSRRGY VDGDDVPEEP NTQISAAENK SVHCNGPPRS ADLDTSPFA GMLFGGEDRE</p> <p>LTKRRKEKYR QELLEQIAEQ QKKKRREKDL AFGITTSGVQ DPEKSPDRLK QFSLTPRHFE</p> <p>EMPPERPRVA FQTPPPPFSA PSSPSVPPVH SAPSHNEDLH SGLGSTLGEL AHPRVLPVPL</p> <p>NPPPPPLLAP PASNYRTPYD DAYFYGARN TLDPNIVYYG SGMIGGQPAP HVSAPVTHQV</p> <p>APPAVNTVGQ NEQKVLSDGL RNSGLVFEDK PKPSTQSLQS YQEALQEIR EREARRKKER</p> <p>LEKEEYEA KL EAEMRIYNPW GKGGGGAPLR DAKGNLITDL NRMHRQNIDA YHNP DARTYE</p>

DKRAVVSIDQ NLATSNAENL EDSANKNSGP LQTQSSPFAR GNTFGEPLSE LQIKQQELYK  
NFLRFQIEEK RQREEAEREK LRVAEEKEEK RLAEQRARIQ QEYEEQERR REKEEQRLK  
NEELIRLAE RRKEAERKKK EEEKHNLQL QHYERENII GDETKHLRQP SPVVPALQNK  
IASKLQRPPS VDTIISSEFIH ESSMSRAQSP PVPARKNQLR AEEKKNVIM ELSEMRKQLR  
SEERRLQGRL LHLSDDEIP MRKRERNPMD IFDMARHRVQ APVRRPSPKG LDATTFQNIH  
DFNELRERDS DTRVDLRLMY PDPPRDHHTL EIQQQALLRE QKRLNRIKM RRDAGADLDT  
ICTDNAQGRR MPRDDTNDFL KNSLLESDSA FIGAYGETYP VIEDNAFPPP SQLPSARERR  
RNKLKGLDFD SSRLHTPDQG LSLKSISSVN VDQVRMRNED RMRRLTEQQK KPTNTDDEGS  
LVDPDDIMRH LSDDGRNSAA TEPWLRPGTS ESLKRFMAEH LNEEQHKGPG KPGTFTWQGL  
SAAHA

**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.**

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### 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 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!

## Product Details

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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).
Grade:	custom-made

## Target Details

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Target:	CSPP1 (Cspp1)
Alternative Name:	Cspp1 ( <a href="#">Cspp1 Products</a> )
Background:	Centrosome and spindle pole associated protein 1,FUNCTION: May play a role in cell-cycle-dependent microtubule organization. {ECO:0000250}.
Molecular Weight:	138.3 kDa
UniProt:	<a href="#">B2RX88</a>

## Application Details

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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 guarantee though.
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p>

Application Details

	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.
Expiry Date:	12 months