

Datasheet for ABIN3091929

## CPSF1 Protein (AA 1-1443) (His tag)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	1 mg
Target:	CPSF1
Protein Characteristics:	AA 1-1443
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPSF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), Crystallization (Crys), ELISA

#### Product Details

Sequence:	<p>MYAVYKQAFP PTGLEFSMYC NFFNNSERNL VVAGTSQLYV YRLNRDAEAL TKNDRSTEGK</p> <p>AHREKLELAA SFSFFGNVMS MASVQLAGAK RDALLSFKD AKLSVVEYDP GTHDLKTLTL</p> <p>HYFEEPELRD GFVQNVHTPR VRVDPDGRCA AMLVYGTRLV VLPFRRESLA EEHEGLVGEG</p> <p>QRSSFLPSYI IDVRALDEKL LNIIDLQLFH GYYEPTLLIL FEPNQTPWGR VAVRQDTCSE</p> <p>VAISLNITQK VHPVIWSLTS LPFDCTQALA VPKPIGGVVV FAVNSLLYLN QSVPPYGVAL</p> <p>NSLTTGTAF PLRTQEGVRI TLDCAQATFI SYDKMVISLK GGEIYVLTLI TDGMRSVRAF</p> <p>HFDKAAASVL TTSMVTMEPG YLFLGSRLGN SLLKYTEKL QEPPASAVRE AADKEEPPSK</p> <p>KKRVDATAGW SAAGKSVPQD EVDEIEVYGS EAQSGTQLAT YSFEVCDLIL NIGPCANAAY</p> <p>GEPALFSEEF QNSPEPDLEI VVCSGHGKNG ALSVLQKSIR PQVVTTFELP GCYDMWTVIA</p> <p>PVRKEEEDNP KEGTEQEPS TTPEADDDGR RHGFLILSRE DSTMILQTGQ EIMELDTSGF</p> <p>ATQGPTVFAG NIGDNRYIVQ VSPLGIRLLE GVNQLHFIPV DLGAPIVQCA VADPYVWIMS</p> <p>AEGHVTMFLK KSDSYGGRHH RLALHKPPLH HQSKVITLCL YRDLSGMFTT ESRLGGARDE</p>
-----------	---

LGGRSGPEAE GLGSETSPTV DDEEEMLYGD SGSLFSPSKE EARRSSQPPA DRDPAPFRAE  
PTHWCLLVRE NGTMEIYQLP DWRLVFLVKN FPGVQRVLVD SSFGQPTTQG EARREEATRQ  
GELPLVKEVL LVALGSRQSR PYLLVHVDQE LLIYEAFFPHD SQLGQGNLKV RFKKVPHNIN  
FREKKPKPSK KKAEGGGAEE GAGARGRVAR FRYFEDIYGY SGVFICGPSP HWLLVTGRGA  
LRLHPMAIDG PVDSFAPFHN VNCPRGFLYF NRQGELRISV LPAYLSYDAP WPVRKIPLRC  
TAHYVAYHVE SKVYAVATST NTPCARIPRM TGEEKEFETI ERDERYIHPQ QEAFSIQLIS  
PVSWEAIPNA RIELQEWEHV TCMKTVSLRS EETVSGLGKY VAAGTCLMQG EEVTCRGRIL  
IMDVIEVVPE PGQPLTKNKF KVLYEKEQKG PVTALCHCNG HLVSAGQKI FLWSLRASEL  
TGMAFIDTQL YIHQMISVKN FILAADVMKS ISLLRYQEEES KTLSSLVSRDA KPLEVYSVDF  
MVDNAQLGFL VSDRDRNLMV YMYLPEAKES FGGMRLLRRA DFHVGAHVNT FWRTPCRGAT  
EGLSKKSVVW ENKHITWFAT LDGGIGLLLP MQEKTYRRL MLQNALTTML PHHAGLNRA  
FRMLHVDRT LQNAVRNVLD GELLNRYLYL STMERSELAK KIGTTPDIIL DDLLETDRVT AHF

**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

---

### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human CPSF1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.

## Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target Details

Target:	CPSF1
Alternative Name:	CPSF1 ( <a href="#">CPSF1 Products</a> )
Background:	Component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. This subunit is involved in the RNA recognition step of the polyadenylation reaction. {ECO:0000269 PubMed:14749727}.
Molecular Weight:	161.8 kDa Including tag.
UniProt:	<a href="#">Q10570</a>

## Application Details

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:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

## Images



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process