

Datasheet for ABIN3112568  
**SPATA31C1 Protein (AA 1-1188) (Strep Tag)**



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## Overview

Quantity:	250 µg
Target:	SPATA31C1
Protein Characteristics:	AA 1-1188
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPATA31C1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Brand:	AliCE®
Sequence:	<p>MENLPFPLKL LSASSLNTPS STPWLDIFL TLVFALGLFF LLLPYFSYLR CDNPPSPSPR            KRKRHLVSQR HLVSQCPTGR RGRPRGRMKN HSLRACRECP RGLEETWDLL SQLQSLGPH            LEKGFQQLS GPDPPGEVVK RTPDGASRSS HEPMEDAAPV VSPLASPDPR TKHPQDLAST            PPPGPMITTSV SLSASQPPE PSLLLERPSP EPPALFPHPP HTPDPLACSP PPPKGFTPPP            LRDSTLLTPS HCDSVALPLD TVPQSLSPRE DLAASVPAIS GLGGSNSQVS ALSWSQETTK            TWCIFNSSVQ QDHLSRQRDT TMSPLLFQAQ PLSHLGPESQ PFISSTPQFR PTPMAQAEAQ            AHLQSSFPVL SPAFLSPMKN TGVACPASQN KVQALSLPET QHPERPLLRK QLEGGLALPS            RVQKSQDVFS VSTPNLPQER LTSILPENFP VSPELWRQLE QYMGQRGRIQ ESLDLMQLQD            ELPGTSQAKG KPRPWQSSTS TGESSKEAQT VKFQLERDPC PHLGQILGET PQNLSRGMES            FPGKVLGATS EESERNLRKP LRSDSGSDLL RRTERNHIEN ILKAHMGRKL GQTNEGLIPV            SVRRSWLAVN QAFPVSNTHV KTSNLAAPKS RKACVNTAQV LSFLELCTQQ VLEAHIVRFW</p>

AKHRWGLPLR VLKPIQCFQL EKVSSLSLIQ LAGPSSDTCE SGAGSKVEVA TLLGEPPMAS  
LRKQVLTKPS VHMPERLQAS SPACKQFQRA PRGIPSSNDH GSLKAPTAGQ EGRWPSKPLT  
YSLKGSTQQS RSLGAQSSRA GETREAVPQP TVPLGTCMRA NLQATSEVDVRFKAPGASKS  
SLLPRMSVSQ DPRKLCLMEE AVSEFEPGMA TKSETQPQVS AAVVLLPDGQ ASVVPHASEN  
LASQVPQGHLL QSTPTGNMQA SQELCDLMSA RRSNMGHKEP RNPNCQGSK SQSPMFPPTH  
KRENSRKPNL EKHEEMFQGL RTPQLTPGRK TEDTRQNEGV QLLPSKKQPP SISHFGENIK  
QFFETIFSCK ERKPAPVTAE SQKTVKNRSC VYGSSAEAER LMTAVGQIPE ENMSLCHARH  
ASKVNQQRQQ FQAPVCGFPC NHRHPFYSDH SRMLSYAASS QQATLKNQSR PNRDRQIRDQ  
QPLKSVRCNN EQWGLRHPQL LLPKKAVSPV SPPQHRPKTP SASSHHHH

**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.

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Purification: One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

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Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

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Grade: custom-made

## Target Details

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Target: SPATA31C1

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Alternative Name: SPATA31C1

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Background: Putative spermatogenesis-associated protein 31C1 (Protein FAM75C1),FUNCTION: May play a role in spermatogenesis. {ECO:0000250}.

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Molecular Weight: 130.5 kDa

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UniProt: [P0DKV0](#)

## 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.

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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.

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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.  
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months