

Datasheet for ABIN3115898

SPATA31E1 Protein (AA 1-1445) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	SPATA31E1
Protein Characteristics:	AA 1-1445
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPATA31E1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MGNLVIPLGK GRAGRVESGQ RIPPPAPRPS VECTGDDIAL QMEKMLFPLK SPSATWLSPS</p> <p>STPWMMDFIL TSVCGLVLLF LLLLYVHSDP PSHPPGRKRS SREPQRERSG RSRSRKISAL</p> <p>KACRILLREL EETRDLYLL ESHLRKLAGE GSSHLPLGGD PLGDVCKPVP AKAHQPHGKC</p> <p>MQDPSPASLS PPAPPAPLAS TLSPGPMFTS EPFGPHSTLS ASGPPEPLLP LKCPATQPHV</p> <p>VFPPSPQPHG PLASSPPPPD SSLAGLQCGS TTCVPQSSP LHNQVLPPPT RVISGLGCSS</p> <p>DPIWDLYCWR EAATTWGLST YSHGKSQPRH LPDHTSEASF WGDPTPKHME VGGCTFIHPD</p> <p>VQKLETLIA KRALMKMWQE KERKRADHPH MTSLGKEWDI TTLNPFWNVS TQPQQLPRPQ</p> <p>QVSDATTVGN HLQQKRSQLF WDLPSLNSES LATTVWVSRN PSSQNAHSVP LDKASTSLPG</p> <p>EPEVEASSQL SQAPPQPHHM AQPQHFTPAW PQSQPPPLAE IQTQAHLSPV VPSLGCSSPP</p> <p>QIRGCGASYP TSQERTQSVI PTGKEYLEWP LKKRPKWKRVP LPSLLKKSQA VLSQPTAHLF</p> <p>QERPASWSPK SAPILPGVVT SPELPEHWWQ GRNAIHQEQS CGPPSRLQAS GDLLQPDGEF</p>

PGRPQSQAEQ TQQALLPSQP SDFAGKGRKD VQKTGFRSSG RFSDKGCLGS KLGPDPSPRDQ
GSGRTSVKAL DEDKEAEGDL RRSWKYQSVS STPRDPDKEH LENKLQIHLA RKVGEIKEGW
IPMPVRRSWL MAKCAVPKSD THRKPGLAS WRGGKAHVNT SQELSFLHPC TQQILEVHLV
RFCVRHSWGT DLQSLEPINV WSGEAQAPPF PQSTFTPWAS WVS RVESVPK VPIFLGKRQ
NGPGDNRTTS KSVPTVSGPL AAPPPEQEGV QRPPRGSSQA DTHGRSEAFP TGHKGRGCSQ
PPTCSLVGRT WQSRTVLESG KPKPRLEGSM GSEMAGNEAW LESESMSPGD PCSSRALQVL
SIGSQWARAE DALQALKVGE KPPTWEVTLG ASVRASSGSV QEDLRSTGAL GTTGNPSASS
VCVAQDPEQL HLKAQVVSEI ALIVQVDSEE QLPGRAPGIL LQDGATGLCL PGRHMDMLTA
ADRLPTQAPL STSQSVSGKN MTASQGPCAL LWKGGDSPGQ QEPGSPKAKA PQKSQKTLGC
ADKGEAHRP RTGEQGHRSK GPRTSEASGR SHPAQAREIG DKQERKYNQL QLEKGQTPPE
SHFQRKISHH PQGLHPRKGG TRWEDVLQKG KPGADAFQSW GSGPPRQFMD CMADKAWTIS
RVVGQILVDK LGLQWGRGPS EVNRHKGDFR AQENVPSCCH RGHC HQERSR EMRALACSPK
ATPKGHHC PV KNRGIRDRDS SWAPPPREPV SPAGPHHHRP RMASTSGGPH PQLQELMSAQ
RCLAS

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 post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for

Product Details

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).
Grade:	custom-made

Target Details

Target:	SPATA31E1
Alternative Name:	SPATA31E1 (SPATA31E1 Products)
Background:	Spermatogenesis-associated protein 31E1 (Protein FAM75E1),FUNCTION: May play a role in spermatogenesis. {ECO:0000250}.
Molecular Weight:	157.1 kDa
UniProt:	Q6ZUB1

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:	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. During lysate production, the cell wall and other cellular components that are not required for

Application Details

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 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