

Datasheet for ABIN3095821

TFIP11 Protein (AA 1-837) (Strep Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	TFIP11
Protein Characteristics:	AA 1-837
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFIP11 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MSLSHLYRDG EGRIDDDDE RENFEITDWD LQNEFNPNRQ RHWQTKEEAT YGVWAERDSD DERPSFGGKR ARDYSAPVNF ISAGLKKGAA EEAELEDSDD EEKPVKQDDF PKDFGPRKLK TGGNFKPSQK GFAGGTSFM DFGSWERHTK GIGQKLLQKM GYVPGRGLGK NAQGIINPIE AKQRKGKGAV GAYGSERTTQ SMQDFPVVDS EEEAEFEFQK ELSQWRKDPS GSKKKPKYSY KTVEELKAKG RISKKLTAPQ KELSQVKVID MTGREQKVYY SYSQISHKHN VPDDGLPLQS QQLPQSGKEA KAPGFALPEL EHNQLLLIDL TEQEIIQNR QLQYERDMVV NLFHELEKMT EVL DHEERVI SNLSKVLEMV EECERRMQPD CSNPLTLDEC ARIFETLQDK YEEYRMSDR VDLAVAIVYP LMKEYFKEWD PLK DCTYGTE IISKWKSLE NDQLLSHGGQ DLSADAFHRL IWEVWMPFVR NIVTQWQPRN CDPMVDFLDS WVHIIPVWIL DNILDQLIFP KLQKEVENWN PLTDTVPIHS WIHPWLPLMQ ARLEPLYSPI RSKLSSALQK WHPSDSSAKL ILQPWKDVFT PGSWEAFMVK NIVPKLGMCL GELVINPHQQ HMDAFYWVID WEGMISVSSL VGLLEKHFFP KWLQVLC SWL SNSPNYEEIT KWYLGWKSMF SDQVLAHPSV KDKFNEALDI MNRAVSSNVG
-----------	--

AYMQPGAREN IAYLTHTERR KDFQYEAMQE RREAENMAQR GIGVAASSVP MNFKDLIETK
AEEHNIVFMP VIGKRHEGKQ LYTFGRIVY IDRGVVQVQG EKTWVPTSLQ SLIDMAK

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 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.

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!

Concentration:

- 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.
- 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 Almost Living Cell-Free Expression System (ALiCE®): <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.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.
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

Target Details

Target:	TFIP11
Alternative Name:	TFIP11 (TFIP11 Products)
Background:	Tuftelin-interacting protein 11 (Septin and tuftelin-interacting protein 1) (STIP-1),FUNCTION: Involved in pre-mRNA splicing, specifically in spliceosome disassembly during late-stage splicing events. Intron turnover seems to proceed through reactions in two lariat-intron associated complexes termed Intron Large (IL) and Intron Small (IS). In cooperation with DHX15 seems to mediate the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient debranching and turnover of excised introns. May play a role in the differentiation of ameloblasts and odontoblasts or in the forming of the enamel extracellular matrix. {ECO:0000269 PubMed:19103666}.
Molecular Weight:	96.8 kDa
UniProt:	Q9UBB9

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 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

Application Details

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. If you have a special request, please contact us.
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