Datasheet for ABIN3137207

TFIP11 Protein (AA 1-838) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	TFIP11
Protein Characteristics:	AA 1-838
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFIP11 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MSLSHLYRDG EGHLDDDDDD ERENFEITDW DLQNEFNPNR QRHWQTKEEA TYGVWAERDS DEERPSFGGK RARDYSAPVN FISAGLKKGA AEEADSEDSD AEEKPVKQED FPKDLGPKKL KTGGNFKPSQ KGFSGGTKSF MDFGSWERHT KGIGQKLLQK MGYVPGRGLG KNAQGIINPI EAKQRKGKGA VGAYGSERTT QSLQDFPVAD SEEEAEEEFQ KELSQWRKDP SGSKKKPKYS YKTVEELKAK GRVSKKLTAP QKELSQVKVI DMTGREQKVY YSYSQISHKH SVPDEGVPLL AQLPPTAGKE ARMPGFALPE LEHNLQLLIE RTEQEIIQSD RQLQYERDMV VSLSHELEKT AEVLAHEERV ISNLSKVLAL VEECERRMQP HGADPLTLDE CARIFETLQD KYYEEYRLAD RADLAVAIVY PLVKDYFKDW HPLEDGSYGT QIISKWKSLL ENDQLLSHSS QDLSSDAFHR LMWEVWMPFV RNVVAQWQPR NCEPMVDFLD SWAHIIPVWI LDNILDQLIF PKLQKEVDNW NPLTDTVPIH SWIHPWLPLM QARLEPLYSP VRSKLSSALQ KWHPSDASAK LILQPWKEVL TPGSWEAFML RNIVPKLGMC LGELVINPHQ QHMDAFYWVM DWEGMISVSS LVGLLEKHFF

PKWLQVLCSW LSNSPNYEEI TKWYLGWKSM FSDQVLAHPS VKDKFNEALD IMNRAVSSNV GAYMQPGARE NIAYLTHTER RKDFQYEAMQ ERREAENMAQ RGIGVAASSV PMNFKDLIET KAEEHNIVFM PVIGKRHEGK QLYTFGRIVI YIDRGVVFVQ GEKTWVPTSL QSLIDMAK

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 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

Product Details

	System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	TFIP11
Alternative Name:	Tfip11 (TFIP11 Products)
Background:	Tuftelin-interacting protein 11 (Septin and tuftelin-interacting protein 1) (STIP-1) (Tuftelin-interacting protein 39),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:15868102, ECO:0000269|PubMed:19857462}.
Molecular Weight:	96.3 kDa
UniProt:	Q9ERA6

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 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

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 **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