

Datasheet for ABIN3092644

## FILIP1 Protein (AA 1-1213) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	FILIP1
Protein Characteristics:	AA 1-1213
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FILIP1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MRSRNQGGES ASDGHISCPK PSIIGNAGEK SLSEDAK KKK KSNRKEDDVM ASGTVKRHLK</p> <p>TSGECERKTK KSLELSKEDL IQLLSIMEGE LQAREDVIHM LKTEKTKPEV LEAHYGSAEP</p> <p>EKVLRLVLRD AILAQEKSIG EDVYEKPISE LDRLEEKQKE TYRRMLEQLL LAEKCHRRTV</p> <p>YELENEKHKH TDYMNKSDDF TNLLEQERER LKKLLEQEKA YQARKEKENA KRLNKLDEL</p> <p>VKLKSFALML VDERQMHIQ LGLQSQKVQD LTQKLREEEE KLKAITSKSK EDRQKLLKLE</p> <p>VDFEHKASRF SQEHEEMNAK LANQESHNRQ LRLKLVLGTQ RIEELEETNK NLQKAEELQ</p> <p>ELRDKIAKGE CGNSSLMAEV ENLRKRVLEM EGKDEEITKT ESQCRELRKK LQEEHHSKE</p> <p>LRLEVEKLQK RMSELEKLEE AFSKSKSECT QLHLNLEKEK NLTKDLLNEL EVKSRVKEL</p> <p>ECSESRLKA ELSLKDDLTK LKSFTVMLVD ERKNMMEKIK QEERKVDGLN KNFKVEQGKV</p> <p>MDVTEKLIEE SKLLKCLKSE MEEKVYNLTR ERDELIGKLK SEEKSSELS CSVDLLKKRL</p> <p>DGIEEVEREI TRGRSRKGSE LTCPEDNLIK ELTLEIERLK KRLQQLEVVE GDLMKTEDEY</p>

DQLEQKFRTE QDKANFLSQQ LEEIKHQIAK NKAIEKGEVV SQEALRHRF RLEEAKSRDL  
KAEVQALKEK IHELMNKEDQ LSQLQVDYSV LQQRFMEEEN KNKNMGQEVN NLTKLELSK  
RYSRALRPSV NGRRMVDVPV TSTGVQTDV SGEAAEEETP AVFIRKSFQE ENHIMSNLRQ  
VGLKKPVERS SVLDYPPAA NELTMRKSWI PWMRKRENGP SITQEKGPRT NSSPGHPGEV  
VLSPKQGQPL HIRVTPDHEH STATLEITSP TSEFFSSTT VIPTLGNQKP RITIIPSPNV  
MPQKQKSGDT TLGPERAMSP VTITFSREK TPESGRGAFA DRPTSPIQIM TVSTSAAPAE  
IAVSPESQEM PMGRITLKV TPEKQTVPTPV RKYNSNANII TTEDNKIHH LGSQFKRSPG  
TSGEGVSPVI TVRPVNTAE KEVSTGTVLR SPRNHLSSRP GASKVTSTIT ITPVTTSSAR  
GTQSVSGQDG SSQRPTPTRI PMSKGMKAGK PVVAAPGAGN LTKFEPRAET QSMKIELKKS  
AASSTTSLGG GKG

**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.

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

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Target:	FILIP1
Alternative Name:	FILIP1 ( <a href="#">FILIP1 Products</a> )
Background:	Filamin-A-interacting protein 1 (FILIP),FUNCTION: By acting through a filamin-A/F-actin axis, it controls the start of neocortical cell migration from the ventricular zone. May be able to induce the degradation of filamin-A. {ECO:0000250 UniProtKB:Q8K4T4}.
Molecular Weight:	138.1 kDa
UniProt:	<a href="#">Q7Z7B0</a>

## 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.
Comment:	<p>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.</p> <p>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</p>

## 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