

[Go to Product page](#)

Datasheet for ABIN3135203

**TTF2 Protein (AA 1-1138) (Strep Tag)**

## Overview

Quantity:	1 mg
Target:	TTF2
Protein Characteristics:	AA 1-1138
Origin:	Mouse
Source:	Tobacco ( <i>Nicotiana tabacum</i> )
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTF2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Sequence:	MDLVKCEPHG DACFLKTGVR DGPNGKGSFY VCRTNTCGFV QATDIPVSHC LLHEEFVVEL QGLFLPQDKK EWRLFFRCAR TKAEGKQWCG NVPWRQDPNP KELSVTSKPQ QPSESQ LHSP SQPRNPFRVL NKNQKTLERK QFVEEGERKT ADKKLRENNE QLLDQRKEQK PKSNSRMEKD PSSDLVATRQ SGGDREEQEK SKFQPKTKKA EGMASKQGHG EVLQGIPKGP HMSESESRGV PNKPETLREK ETQLLVPSVP GQNPESKVQK EGHVSREPLK NGEAPSAQVT QRGLAQGPLQ GPSKTWRPVP EPAAPELCS GMAHHATSSS EDEDDGVSS RPGSPLLFDS TVDSQKKGSL QHSDQSVQRQ MPAASGVSKK GDSSDPAAQR ANLTTQLKQK KGTAAVNIQ ALPDKGEKLL KQIQALEDAL SALALSPEQG TKEKCSAQEP EQSNITKAAA APLHLVPPQP LPRPLIQPAS SLGLKAGRQE TPEGASQCSG GHMNQHHLYN VWKITSEID ELHRSLKSCP GETAVAEDPA GLKVPLLLHQ KQALAWLLWR ESQKPQGGIL ADDMGLGKTL TMIALILTKK NQKSKEKER SEPVTWLSKN DSSVFTSSGT LIVCPASLIH HWKNEVEKRV TSNRLRIYLY HGPNRSRHAK VLSTYDIVIT TYSLLAKEIP TTKQEGEVPG ANLSVEGTSA PLLQVWARI ILDEAHNVKN
-----------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PRVQTSIAVC KLQAQARWAV TGTPIQNNLL DMYSLMKFLR CSPFDEFSLW KSQVDNGSMK  
GGERLSILTK SLLLRRTKDQ LDSTGKPLVA LPARRCQLHR LKLSERAV YDIFLARSRS  
ALQSYLKRQE GRGSHHGRSP DNPFSRVAQE FGSSVSQGCP AADSQRPSTV HVLSQLLRLR  
QCCCHLSLLK SALDPTELES EGLVLSLEEQ LSALTLSKVD VSEPSPTVSL NGTCFKAELF  
DDTRRSTKVS SLLAELEAIQ KGPGSQKSVI VSQWTSMLQV VALHLKKNRL TYATIDGSVN  
PKQRMDLVEA FNHSQGPQVM LISLLAGGVG LNLTGGNHLF LLDMHWNPSTL EDQACDRIYR  
VGQKKDVIH RFVCEGTVEE KILQLQEKKK DLAKQVLSGS EGPVTKLTLA DLKILFGI

**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.

## Product Details

---

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

## Target Details

---

Target: TTF2

---

Alternative Name: Ttf2 ([TTF2 Products](#))

---

Background: Transcription termination factor 2 (EC 3.6.4.-) (RNA polymerase II termination factor) (Transcription release factor 2),FUNCTION: DsDNA-dependent ATPase which acts as a transcription termination factor by coupling ATP hydrolysis with removal of RNA polymerase II from the DNA template. May contribute to mitotic transcription repression. May also be involved in pre-mRNA splicing (By similarity). {ECO:0000250}.

---

Molecular Weight: 125.5 kDa

---

UniProt: [Q5NC05](#)

---

Pathways: [Thyroid Hormone Synthesis](#)

## 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. 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)