

Datasheet for ABIN3115279

## **FNDC3B Protein (AA 1-1204) (Strep Tag)**



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	FNDC3B
Protein Characteristics:	AA 1-1204
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FNDC3B protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MYVTMMMTDQ IPLELPPLLN GEVAMMPHLV NGDAAQQVIL VQVNPGETFT IRAEDGTLQC</p> <p>IQGPAEVPMM SPNGSIPPIH VPPGYISQVI EDSTGVRRVV VTPQSPECYP PSYPSAMSPT</p> <p>HHLPPYLTHH PHFIHNSHTA YPPVTGPGD MPPQFFPQHH LPHTIYGEQE IIPFYGMSTY</p> <p>ITREDQYSKP PHKKLKDRQI DRQNRLNSPP SSIYKSSCTT VYNGYKGKHS GGSGGGGSGS</p> <p>GPGIKKTERR ARSSPKSNDS DLQEYELEVK RVQDILSGIE KPQVSNIQAR AVVLSWAPPV</p> <p>GLSCGPHSGL SFPYSYEVAL SDKGRDGKYK IISGEELEC NLKDLRPATD YHVRVYAMYN</p> <p>SVKGSCSEPV SFTTHSCAPE CPFPPKLAHR SKSSLTLQWK APIDNGSKIT NYLLEWDEGK</p> <p>RNSGFRQCFF GSQKHCKLTK LCPAMGYTFR LAARNDIGTS GYSQEVVCYT LGNIPQMPSA</p> <p>PRLVRAGITW VTLQWSKPEG CSPEEVITYT LEIQEDENDN LFHPKYTGED LTCTVKNLKR</p> <p>STQYKFRLTA SNTEGKSCPS EVLVCTTSPD RPGPPTRPLV KGPVTSHGFS VKWDPPKDNQ</p> <p>GSEILKYLLE ITDGNSEANQ WEVAYSGSAT EYTFTHLKPG TLYKLRACTI STGGHSQCSE</p>

SLPVRTLSIA PGQCRPPRVL GRPKHKEVHL EWDVPASESG CEVSEYSVEM TEPEDVASEV  
YHGPELECTV GNLLPGTVYR FRVRALNDGG YGPYSDVSEI TTAAGPPGQC KAPCISCTPD  
GCVLVGWESP DSSGADISEY RLEWGEDEES LELIYHGTDT RFEIRDLLPA AQYCCRLQAF  
NQAGAGPYSE LVLCQTPASA PDPVSTLCVL EEEPLDAYPD SPSACLVLNW EEPNNNGSEI  
LAYTIDLGDT SITVGNTTMH VMKDLLPETT YRIRIQAIN IGAGPFSQFI KAKTRPLPPL  
PPRLECAAAG PQSLKLKWGD SNSKTHAAED IVYTLQLEDR NKRFSIYRG PSHTYKVQRL  
TEFTCYSFRI QAASEAGEGP FSETYTFSTT KSVPTTIKAP RVTQLEGNSC EILWETVPSM  
KGDVPVNYILQ VLVGRESEYK QVYKGEEATF QISGLQTNTD YRFRVCACRR CLDTSQELSG  
AFSPSAAFVL QRSEVMLTGD MGSLLDDPKMK SMMPTDEQFA AIIVLGFATL SILFAFILQY FLMK

**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

### 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: FNDC3B

Alternative Name: FNDC3B ([FNDC3B Products](#))

Background: Fibronectin type III domain-containing protein 3B (Factor for adipocyte differentiation 104) (HCV NS5A-binding protein 37),FUNCTION: May be a positive regulator of adipogenesis. {ECO:0000269|PubMed:15564382}.

Molecular Weight: 132.9 kDa

UniProt: [Q53EP0](#)

Pathways: [Positive Regulation of fat Cell Differentiation](#)

## 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.

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Application Details

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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