

Datasheet for ABIN3096467
ZNF687 Protein (AA 1-1237) (Strep Tag)



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1 Image

Overview

Quantity:	1 mg
Target:	ZNF687
Protein Characteristics:	AA 1-1237
Origin:	Human
Source:	Tobacco (<i>Nicotiana tabacum</i>)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF687 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MGD^MDKTPDFD DLLA^AAFDIPD IDANE^AAIHSG PEENE^GPGGGP GKPE^PGVGSE SEDTAAASAG
 DGP^GVPAQAS DHGL^LPPDIS VVSV^VVKNTV CPE^QSEALAG GSAG^DGAAQAA GVTKE^GVPVGP
 HRM^QNGFGSP EPSL^PPGTPHS PAPP^SGGTWK EKGME^GKTPL DLFA^HFGPEP GDHSD^LPLPPS
 APS^TTREGAL TPPP^FPSSFE LAQEN^GPGMQ PPVSS^PPLGA LKQES^CSPHH PQVLA^QQGSG
 SSPK^ATDIPA SAS^PPPVAGV PFFK^QSPGHQ SPLAS^PKVPV CQPL^KEEDDD EGP^VDKSSPG
 SPQSP^SSGAE AAED^SNDSP ASS^SSRPLKV RIK^TIKTSCG NITRT^VTQVP SDP^DPPAPLA
 EGA^FLAEASL LKL^SPATPTS EGP^KVVSVQL GDG^TRLKGTV LPVAT^IQNAS TAML^MMAASVA
 RKAV^VLPGGT ATSP^KMIAKN VLGL^VPQALP KADGR^AGLGT GGQ^KVNGASV VMV^QPSKTAT
 GPST^GGGTVI SRT^QSSLVEA FNK^ILNSKNL LPAY^RPNLSP PAE^AGLALPP TGYR^CLECGD
 AFS^LEKSLAR HYDR^RSMRIE VTC^NHCARRL VFF^NKCSLLL HARE^HKDKGL VMQ^CSHLVMR
 PVAL^DQMVGQ PDIT^PLLPVA VPP^VSGPLAL PALG^KGEGAI TSSA^ITTVAA EAP^VLPLSTE
 PPA^APATSAY TCFR^CLECKE QCR^DKAGMAA HFQ^QLGPAP GAT^SNVCPTC PMML^PPNRCSF

SAHQRMHKNR PPHVCPECGG NFLQANFQTH LREACLHVSR RVGYRCPCSCS VVFGGVNSIK
SHIQTSHCEV FHKCPICPMA FKSGPSAHAH LYSQHPSFQT QQAKLIYKCA MCDTVFTHKP
LLSSHFDQHL LPQRVSVFKC PSCPLLFAQK RTMLEHLKNT HQSGRLEETA GKGAGGALLT
PKTEPEELAV SQGGAAPATE ESSSSSEEEE VPSSPEPPRP AKRPRRELGS KGLKGGGGGP
GGWTCGLCHS WFERDEYVA HMKKEHGKSV KKFPCRLCER SFCSAPSLRR HVRVNHEGIK
RVYPCRYCTE GKRTFSSRLI LEKHVQVRHG LQLGAQSPGR GTTLARGSSA RAQGPGRKRR
QSSDSCSEEP DSTTPPAKSP RGGPGSGGHG PLRYRSSSST EQSLMMGLRV EDGAQQCLDC
GLCFASPGSL SRHRFISHKK RRGVGKASAL GLGDGEEEEAP PSRSDPDGGD SPLPASGGPL
TCKVCGKSCD SPLNLKTHFR THGMAFIRAR QGAVGDN

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!

Product Details

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.

Purification:

Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):

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:

ZNF687

Alternative Name:

ZNF687 ([ZNF687 Products](#))

Background:

Zinc finger protein 687,FUNCTION: May be involved in transcriptional regulation.

Molecular Weight:

129.5 kDa

UniProt:

[Q8N1G0](#)

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:

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Application Details

modifications.

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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