

Datasheet for ABIN3096499

## ZFAT Protein (AA 1-1243) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	ZFAT
Protein Characteristics:	AA 1-1243
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZFAT protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>METRAAENTA IFMCKCCNLF SPNQSELLSH VSEKHMEEGV NVDEIIPLR PLSTPEPPNS</p> <p>SKTGDEFLVM KRKRGRPKGS TKKSSTEEEL AENIVSPTED SPLAPEEGNS LPPSSLECSK</p> <p>CCRKFSNTRQ LRKHICIIVL NLGEEGEAG NESDLELEKK CKEDDREKAS KRPRSQKTEK</p> <p>VQKISGKEAR QLSGAKKPII SVVLTAEAI PGATKIVPVE AGPPETGATN SETTSADLVP</p> <p>RRGYQEYAIQ QTPYEQPMKS SRLGPTQLKI FTCEYCNKVF KFKHSLQAH LRIHTNEKPYK</p> <p>CPQCSYASAI KANLNVHLRK HTGEKFACDY CSFTCLSKGH LKVHIERVHK KIKQHCRFCK</p> <p>KKYSDVKNL I KHIRDAHDPQ DKKVKEALDE LCLMTREGKR QLLYDCHICE RKFKNELDRD</p> <p>RHMLVHGDKW PFACELCGHG ATKYQALELH VRKHPFVYVC AVCRRKKFVSS IRLRTHIKEV</p> <p>HGAAQEALVF TSSINQSFCL LEPGGDIQQE ALGDQLQLVE EEFALQGVNA LKEEACPGDT</p> <p>QLEEGRKEPE APGEMPAPAV HLASPQAEST ALPPCELETT VVSSSDLHSQ EVVSDDFLK</p> <p>NDTSSAEAHA APEKPPDMQH RSSVQTQGEV ITLLLSKAQS AGSDQESHGA QSPLGEGQNM</p>

AVLSAGDPDP SRCLRSNP AE ASDLLPPVAG GGDITHTQPD SCKAAPEHRS GITAFMKVLN  
SLQKKQMNTS LCERIRKVY G DLECEYCGKL FWYQVHFDMH VRTHTREHLY YCSQCHYSSI  
TKNCLKRHVI QKHSNILLKC PTDGCDYSTP DKYKLQAHK VHTALDKRSY SCPVCEKSFS  
EDRLIKSHIK TNHPEVSMST ISEVLGRRVQ LKGLIGKRAM KCPYCDFYFM KNGSDLQRHI  
WAHEGVKPFK CSLCEYATRS KSNLKAHMNR HSTEKTHLCD MCGKKFKSKG TLKSHKLLHT  
ADGKQFKCTV CDYTAAQKPQ LLRHMEQHVS FKPFRCACHCH YSCNISGSLK RHYNRKHPNE  
EYANVTGEL AAEVLIQGG LKCPVCSFVY GTKWEFNRHL KNKHGLKVVE IDGDPKWETA  
TEAPEEPSTQ YLHITEAEED VQGTQAAVAA LQDLRYTSES GDRLDPTAVN ILQQIELGA  
ETHDATALAS VVAMAPGTVT VVKQVTEEEP SSNHTVMIQE TVQQASVELA EQHHLVVSSD  
DVEGIETVTY YTGGEASEF IVYVQEAMQP VEEQAVEQPA QEL

**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.

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Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
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Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
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Grade:	custom-made
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## Target Details

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Target:	ZFAT
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Alternative Name:	ZFAT ( <a href="#">ZFAT Products</a> )
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Background:	Zinc finger protein ZFAT (Zinc finger gene in AITD susceptibility region) (Zinc finger protein 406),FUNCTION: May be involved in transcriptional regulation. Overexpression causes down-regulation of a number of genes involved in the immune response. Some genes are also up-regulated (By similarity). {ECO:0000250}.
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Molecular Weight:	139.0 kDa
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UniProt:	<a href="#">Q9P243</a>
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## 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.
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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</p>
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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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months