

Datasheet for ABIN3076196

## ZNF711 Protein (AA 1-761) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	ZNF711
Protein Characteristics:	AA 1-761
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF711 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p> MDSGGGSLGL HTPDSRMAHT MIMQDFVAGM AGTAHIDGDH IVVSVPEAVL VSDVVTDDGI  TLDHGLAAEV VHGPDIITET DVVTEGVIVP EAVLEADVAI EEDLEEDDGD HILTSELITE  TVRVPEQVVFV ADLVTGPNGH LEHVVQDCVS GVDSPTMVSE EVLVTNSDTE TVIQAAGGVP  GSTVTIKTED DDDDDVKSTS EDYLMISLDD VGEKLEHMGN TPLKIGSDGS QEDAKEDGFG  SEVIKVYIFK AEAEDDVEIG GTEIVTESEY TSGHSVAGVL DQSRMQREKM VYMAVKDSSQ  EEDDIRDERR VSRRYEDCQA SGNLTLSALE SRSSTAAQYL QICDGINTNK VLKQKAKKRR  RGETRQWQTA VIIGPDGQPL TVYPCHICTK KFKSRGFLKR HMKNHDPDHL RKKYQCTDCD  FTTNKKVSFH NHLESHKLIN KVDKTHEFTE YTRRYREASP LSSNKLILRD KEPKMHKCKY  CDYETAEQGL LNRHLLAVHS KNFPHVCVEC GKGFRHPSEL KKHMRHTHTGE KPYQCQYCIF  RCADQSNLKT HIKSKHGNNL PYKCEHCPQA FGDERELQRH LDFQGHKTH QCPHCDHKST  NSSDLKRHII SVHTKDFPHK CEVCDKGFHR PSELKKHSDI HKGRKIHQCR HCDFKTSDPF </p>

ILSGHILSVH TKDQPLKCKR CKRGFRQQNE LKKHMKHTTG RKIYQCEYCE YSTTDASGFK  
RHVISIHTKD YPHRCEFCCK GFRRPSEKNQ HIMRHHKEAL M

**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!

#### 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®).

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## Product Details

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

## Target Details

Target: ZNF711

Alternative Name: ZNF711 ([ZNF711 Products](#))

Background: Zinc finger protein 711 (Zinc finger protein 6),FUNCTION: Transcription regulator required for brain development (PubMed:20346720). Probably acts as a transcription factor that binds to the promoter of target genes and recruits PHF8 histone demethylase, leading to activated expression of genes involved in neuron development, such as KDM5C (PubMed:20346720, PubMed:31691806). May compete with transcription factor ARX for activation of expression of KDM5C (PubMed:31691806). {ECO:0000269|PubMed:20346720, ECO:0000269|PubMed:31691806}.

Molecular Weight: 86.2 kDa

UniProt: [Q9Y462](#)

## 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 needed is the DNA that codes for the desired protein!

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 <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