

Datasheet for ABIN3096451

ZNF93 Protein (AA 1-620) (Strep Tag)



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Overview

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| Quantity: | 250 µg |
| Target: | ZNF93 |
| Protein Characteristics: | AA 1-620 |
| Origin: | Human |
| Source: | Cell-free protein synthesis (CFPS) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ZNF93 protein is labelled with Strep Tag. |
| Application: | ELISA, Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Brand: | AlIcE® |
| Sequence: | <p>MGPLQFRDVA IEFSLLEWHC LDTAQRNLYR NVMLNYSNL VFLGIVVSKP DLIAHLEQGK</p> <p>KPLTMKRHEM VANPSVICSH FAQDLWPEQN IKDSFQKVIL RRYEKRGHGN LQLIKRCESV</p> <p>DECKVHTGGY NGLNQCSTTT QSKVFQCDKY GKVFHFKFSNS NRHNIRHTEK KPFKCIECGK</p> <p>AFNQFSTLIT HKKIHTGEKP YICEECGKAF KYSSALNTHK RIHTGEKPYK CDKCDKAFIA</p> <p>SSTLSKHEII HTGKKPYKCE ECGKAFNQSS TLTKHKKIHT GEKPYKCEEC GKAFNQSSSTL</p> <p>TKHKKIHTGE KPYVCEECGK AFKYSRILTT HKRIHTGEKP YKCNKCGKAF IASSTLSRHE</p> <p>FIHMGKKHYK CEECGKAFIW SSVLTRHKRV HTGEKPYKCE ECGKAFKYSS TLSSHKRSHT</p> <p>GEKPYKCEEC GKAFVASSTL SKHEIIHTGK KPYKCEECGK AFNQSSSLTK HKKIHTGEKP</p> <p>YKCEECGKAF NQSSSLTKHK KIHTGEKPYK CEECGKAFNQ SSTLIHKHKI HTREKPYKCE</p> <p>ECGKAFHLST HLTTHKILHT GEKPYRCREC GKAFNHSATL SSHKKIHSGE KPYECDKCGK</p> <p>AFISPSSLSR HEIIHTGEKP</p> |

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.
- 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).

Product Details

Grade: custom-made

Target Details

Target: ZNF93

Alternative Name: ZNF93 ([ZNF93 Products](#))

Background: Zinc finger protein 93 (Zinc finger protein 505) (Zinc finger protein HTF34),FUNCTION: Transcription factor specifically required to repress long interspersed nuclear element 1 (L1) retrotransposons: recognizes and binds L1 sequences and repress their expression by recruiting a repressive complex containing TRIM28/KAP1 (PubMed:25274305). Not able to repress expression of all subtypes of L1 elements. Binds to the 5' end of L1PA4, L1PA5 and L1PA6 subtypes, and some L1PA3 subtypes. Does not bind to L1PA7 or older subtypes nor at the most recently evolved L1PA2 and L1Hs. 50 % of L1PA3 elements have lost the ZNF93-binding site, explaining why ZNF93 is not able to repress their expression (PubMed:25274305). {ECO:0000269|PubMed:25274305}.

Molecular Weight: 71.0 kDa

UniProt: [P35789](#)

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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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 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 |