

Datasheet for ABIN3095854

GTF3C4 Protein (AA 1-822) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	GTF3C4
Protein Characteristics:	AA 1-822
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GTF3C4 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MNTADQARVG PADDGPAPSG EEEGEGGGEA GGKEPAADAA PGPSAAFRLM VTRREPAVKL</p> <p>QYAVSGLEPL AWSEDHRSV SV STARSIAVLE LICDVHNPQG DLVIHRTSVP APLNSCLLKV</p> <p>GSKTEVAECK EKFAASKDPT VSQTFMLDRV FNPEGKALPP MRGFKYTSWS PMGCDANGRC</p> <p>LLAALTMDNR LTIQANLNRL QWVQLVDLTE IYGERLYETS YRLSKNEAPE GNLGDFAEFQ</p> <p>RRHSMQTPVR MEWSGICTTQ QVKHNNNECRD VGSVLLAVLF ENGNIAVWQF QLPFVGKESI</p> <p>SSCNTIESGI TSPSVLFWWE YEHNNRKMMSG LIVGSAFGPI KILPVNLKAV KGYFTLRQPV</p> <p>ILWKEMDQLP VHSIKCVPLY HPYQKCSCSL VVAARGSYVF WCLLLISKAG LNVHNSHVTG</p> <p>LHSLPIVSMT ADKQNGTVYT CSSDGKVRQL IPIFTDVALK FEHQLIKLSD VFGSVRTHGI</p> <p>AVSPCGAYLA IITTEGMING LHPVNKNYQV QFVTLKTFEE AAAQLLESSV QNLFKQVDLI</p> <p>DLVRWKILKD KHIPQLQEA LEKKIESSGV TYFWRFKLFL LRILYQSMQK TPSEALWKPT</p> <p>HEDSKILLVD SPGMGNADDE QQEEGTSSKQ VVKQGLQERS KEGDVEEPTD DSLPTTGDAG</p>

GREPMEEKLL EIQGKIEAVE MHLTREHMKR VLGEVYLHTW ITENTSIPTR GLCNFLMSDE
EYDDRTARVL IGHISKMMNK QTFPEHCSLC KEILPFTDRK QAVCSNGHIW LRCFLTYQSC
QSLIYRRCLL HDSIARHPAP EDPDWIKRLL QSPCPFCDSP VF

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

Product Details

	System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	GTF3C4
Alternative Name:	GTF3C4 (GTF3C4 Products)
Background:	General transcription factor 3C polypeptide 4 (EC 2.3.1.48) (TF3C-delta) (Transcription factor IIIC 90 kDa subunit) (TFIIIC 90 kDa subunit) (TFIIIC90) (Transcription factor IIIC subunit delta),FUNCTION: Essential for RNA polymerase III to make a number of small nuclear and cytoplasmic RNAs, including 5S RNA, tRNA, and adenovirus-associated (VA) RNA of both cellular and viral origin. Has histone acetyltransferase activity (HAT) with unique specificity for free and nucleosomal H3. May cooperate with GTF3C5 in facilitating the recruitment of TFIIB and RNA polymerase through direct interactions with BRF1, POLR3C and POLR3F. May be localized close to the A box.
Molecular Weight:	92.0 kDa
UniProt:	Q9UKN8

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:	<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 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!</p>

Application Details

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