

Datasheet for ABIN3095868

GTF3C2 Protein (AA 1-911) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	GTF3C2
Protein Characteristics:	AA 1-911
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GTF3C2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MDTCGVGYVA LGEAGPVGNM TVVDS PGQEV LNQLDVKTSS EMTSAEASVE MSLPTPLPGF</p> <p>EDSPDQRRLP PEQESLSRLE QPDLSSSEMSK VSKPRASKPG RKRGGRTKRG PKRPQQPNPP</p> <p>SAPLVPGLLD QSNPLSTPMP KKRGRKSKAE LLLLKLSKDL DRPESQSPKR PPEDFETPSG</p> <p>ERPRRRAAQV ALLYLQELAE ELSTALPAPV SCPEGPKVSS PTKPKKIRQP AACPGGEEVD</p> <p>GAPRDEDFFL QVEAEDVEES EGPSESSSEP EPVVPRSTPR GSTSGKQKPH CRGMAPNGLP</p> <p>NHIMAPVWKC LHCLKDFREQ KHSYWEFAEW IPLAWKWHLL SELEAAPYLP QEEKSPLEFSV</p> <p>QREGLPEDGT LYRINRFSSI TAHPERWDVS FFTGGPLWAL DWCPVPEGAG ASQYVALFSS</p> <p>PDMNETHPLS QLHSGPGLLQ LWGLGTLQQE SCPGNRAHFV YGIACDNGCI WDLKFCPSGA</p> <p>WELPGTPRKA PLLPRLGLLA LACSDGKVLL FSLPHPEALL AQQPPDAVKP AIYKVQCVAT</p> <p>LQVGSMQATD PSECGQCLSL AWMPTRPHQH LAAGYYNGMV VFWNLPTNSP LQIRLSDGSS</p> <p>LKLYPFQCFL AHDQAVRTLQ WCKANSHFLV SAGSDRKIKF WDLRRPYEPI NSIKRFLSTE</p>

LAWLLPYNGV TVAQDNCYAS YGLCGIHYID AGYLGFKAYF TAPRKGTVWS LSGSDWLGTI
AAGDISGELI AAILPDMALN PINVKRPVER RFPIYKADLI PYQDSPEGPD HSSASSGVPN
PPKARTYTET VNHYYLLFQD TDLGSFHDLL RREPMLRMQE GEGHSQCLLD RLQLEAIHKV
RFSPNLDSYG WLVSQGQSG L VRIHFVRGLA SPLGHRMQL SRAHFNAMFQ PSSPTRRPGF
SPTSHRLLPT 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.

Product Details

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).
Grade:	custom-made

Target Details

Target:	GTF3C2
Alternative Name:	GTF3C2 (GTF3C2 Products)
Background:	General transcription factor 3C polypeptide 2 (TF3C-beta) (Transcription factor IIIC 110 kDa subunit) (TFIIIC 110 kDa subunit) (TFIIIC110) (Transcription factor IIIC subunit beta),FUNCTION: Required for RNA polymerase III-mediated transcription. Component of TFIIIC that initiates transcription complex assembly on tRNA and is required for transcription of 5S rRNA and other stable nuclear and cytoplasmic RNAs. May play a direct role in stabilizing interactions of TFIIIC2 with TFIIIC1.
Molecular Weight:	100.7 kDa
UniProt:	Q8WUA4

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