Datasheet for ABIN3130996

NFX1 Protein (AA 1-1114) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	NFX1
Protein Characteristics:	AA 1-1114
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFX1 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	MAEAPPVSGT FKFNTDAAEF IPQERKTSGL NCGTQRRLDS SRIGRRNYSS SPPCHLPRHI PYEDISAVHQ HSYASGSKPK SPQGFFQSSN KSLKNHGLQN QPWQKARNEK HQNRNKKAQG LSEQTSDTSS LESVARSESG TNPREHSPSE SEKEVVIADP RGAKPKKAAQ LTYNYGRGPK AKGRLRSEWG NRMSPKSEDE NTRPVAISHT DSSDASCRKP VVDPCVCRRN EQRRYPQKRP PWEVEGARPR PGRNPPKQES QRHINAGPKT NMSPIPKDNL RERPTKSACD TGNLAVVSKS SRRVNQEKTA VRRQDPQVLS PFPRGKQNHM LKNVETHTGS LIEQLTTEKY ECMVCCELVQ VTAPVWSCQS CFHVFHLNCI KKWARSPASH ADGQSGWRCP ACQNVSAHVP NTYTCFCGKV KNPEWSRNEI PHSCGEVCRK KQPGQDCPHS CNLLCHPGPC PPCPAFTTKT CECGRTRHTV RCGQPVSVHC SNACENILNC GQHHCAELCH GGQCQPCRII LNQVCYCGST SRDVLCGTDV GKSDGFGDFS CLKICGKDLK CGSHTCSQVC HPQPCQPCPR LPHLVRYCPC GQTPLSQLLE HGSNARKTCM DPVPSCGKVC GKPLACGSSD FIHTCEKLCH EGDCGPCSRT SVISCRCSFR

TKELPCTSLK SEDATFMCDK RCNKKRLCGR HKCNEICCVD KEHKCPLICG RKLRCGLHRC EEPCHRGNCQ TCWQASFDEL TCHCGASVIY PPVPCGTRPP ECTQTCARIH ECDHPVYHSC HSEEKCPPCT FLTQKWCMGK HELRSNIPCH LVDISCGLPC SAMLPCGMHK CQRLCHKGEC LVDEACKQPC TTPRGDCGHP CMAPCHPSLP CPVTACKAKV ELQCECGRRK EMVICSEASG TYQRIVAISM ASKITDMQLG DSVEISKLIT KKEVQQARLQ CDEECAALER RKRLAEAFDI TDDSDPFNVR SSASKFSDSL KDDARKDLKF VSDVEKEMET LVEAVNKGKN NKKSHCFPPM NRDHRRIIHD LAQVYGLESI SYDSEPKRNV VVTAVRGKSV CPPTTLTSVI ERETQTRPPP PIPHHRHQAD KAPGSSTLQK IVKEAVIDYF DVQD

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:

Product Details

- 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).
Grade:	custom-made

Target Details

Target:	NFX1
Alternative Name:	Nfx1 (NFX1 Products)
Background:	Transcriptional repressor NF-X1 (m-Nfx.1) (EC 2.3.2.-) (Nuclear transcription factor, X box-binding protein 1),FUNCTION: Binds to the X-box motif of MHC class II genes and represses their expression. May play an important role in regulating the duration of an inflammatory response by limiting the period in which MHC class II molecules are induced by interferon-gamma. Together with PABPC1 or PABPC4, acts as a coactivator for TERT expression. Mediates E2-dependent ubiquitination. {ECO:0000269|PubMed:12047746}.
Molecular Weight:	123.8 kDa
UniProt:	B1AY10

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

Application Details

	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

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