

Datasheet for ABIN3094084

NFX1 Protein (AA 1-1120) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	NFX1
Protein Characteristics:	AA 1-1120
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFX1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:	MAEAPPVSGT FKFNTDAAEF IPQEKKNSSL NCGTQRRLLS NRIGRRNYSS PPPCHLSRQV PYDEISAVHQ HSYHPSGSKP KSQQTSTFQSS PCNKSPKSHG LQNQPWQKLR NEKHHRVKK AQSLAEQTS TAGLESSTRS ESGTDLREHS PSESEKEVVG ADPRGAKPKK ATQFVYSYGR GPKVKGKLLC EWSNRTPPKP EDAGPESTKP VGVFHPDSSE ASSRKGVLDT YGARRNEQRR YPQKRPPWEV EGARPRPGRN PPKQEGHRHT NAGHRNNMGP IPKDDLNERP AKSTCDSNL AVINKSSRRV DQEKCTVRRQ DPQVVSFSPR GKQNHVLKNV ETHTGSLIEQ LTTEKYECCMV CCELVRVTAP VWSCQSCYHV FHLNCIKKWA RSPASQADGQ SGWRCPACQN VSAHVPNTYT CFCGKVKNP WSRNEIPHSC GEVCRKKQPG QDCPHSCNLL CHPGPCPPCP AFMTKTCECG RTRHTVRCGQ AVSVHCSNPC ENILNCGQH QCAELCHGGQC QPCQIILNQV CYCGSTSRDV LCGTDVGKSD GFGDFSLCKI CGKDLKCGNH TCSQVCHPQP CQQCPRLPQL VRCCPCGQTP LSQLELGSS SRKTCMDPVP SCGKVCCKPL PCGSLDFIHT CEKLCHEGDC GPCSRTSVIS CRCSFRTEL PCTSLKSEDA TFMCDKRCNK KRLCGRHKCN EICCVCKEHEK CPLICGRKLR
-----------	---

CGLHRCEEP C HRGNCQTCWQ ASFDELTCHC GASVIYPPVP CGTRPPECTQ TCARVHECDH
PVYHSCHEE KCPPCTFLTQ KWCMGKHEFR SNIPCHLVDI SCGLPCSATL PCGMHKCQRL
CHKGECLVDE PCKQPCTTPR ADCGHPCMAP CHTSSPCPVT ACKAKVELQC ECGRRKEMVI
CSEASSTYQR IAAISMASKI TDMQLGGSVE ISKLITKKEV HQARLECDDE CSALERKKRL
AEAFHISED S DPFNIRSSGS KFSDSLKEDA RKDLKFVSDV EKEMETLVEA VNKGKNSKKS
HSFPPMNRDH RRIIHDLAQV YGLESVSYDS EPKRNWVTA IRGKSVCPPT TLTGVLEREM
QARPPPIPH HRHQSDKNPG SSNLQKITKE PIIDYFDVQD

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human NFX1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step

Product Details

through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	NFX1
Alternative Name:	NFX1 (NFX1 Products)
Background:	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. Isoform 3 binds to the X-box motif of TERT promoter and represses its expression. Together with PABPC1 or PABPC4, isoform 1 acts as a coactivator for TERT expression. Mediates E2-dependent ubiquitination. {ECO:0000269 PubMed:10500182, ECO:0000269 PubMed:15371341, ECO:0000269 PubMed:17267499}.
Molecular Weight:	125.3 kDa Including tag.
UniProt:	Q12986

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:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process