

Datasheet for ABIN7554716

NFX1 Protein (AA 1-1120) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NFX1
Protein Characteristics:	AA 1-1120
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFX1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat NFX1 Protein expressed in mammalian cells.
Sequence:	<p>MAEAPPVSGT FKFNTDAAEF IPQEKKNLGL NCGTQRRLLDS NRIGRRNYSS PPPCHLSRQV PYDEISAVHQ HSYHPGSKP KSQQTSTFQSS PCNKSPKSHG LQNQPWQKLR NEKHHRVKK AQSLEQTSQ TAGLESSTRS ESGTDLREHS PSESEKEVVG ADPRGAKPKK ATQFVYSYGR GPKVKGKLLC EWSNRTTPKP EDAGPESTKP VGVFHPDSSE ASSRKGVLDT YGARRNEQRR YPQKRPPWEV EGARPRPGRN PPKQEGHRHT NAGHRNNMGP IPKDDLNERP AKSTCDSNL AVINKSSRRV DQEKCTVRRQ DPQVVSFSPR GKQNHVLLKNV ETHGSLIEQ LTTEKYECCMV CCELVRVTAP VWSCQSCYHV FHLNCKIKWA RSPASQADGQ SGWRCPACQN VSAHVPNTYT CFCGKVKNP WSRNEIPHSC GEVCRKKQPG QDCPHSCNLL CHPGPCPPCP AFMTKTCECG RTRHTVRCGQ AVSVHCSNPC ENILNCGQHQ CAELCHGGQC QPCQIILNQV CYCGSTSRDV LCGTDVGKSD GFGDFSLKI CGKDLKCGNH TCSQVCHPQP CQQCPRLPQL VRCCPCGQTP LSQLLELGSS SRKTCMDPVP SCGKVCCKPL PCGSLDFIHT CEKLCHEGDC GPCSRTSVIS</p>

CRCSFRTKEL PCTSLKSEDA TFMCDKRCNK KRLCGRHKCN EICCVCKEHL CPLICGRKLR
CGLHRCEEPK HRGNCQTCWQ ASFDELTCHC GASVIYPPVP CGTRPPECTQ TCARVHECDH
PVYHSCHSEE KCPPCTFLTQ KWCMGKHEFR SNIPCHLVDI SCGLPCSATL PCGMHKKQRL
CHKGECLVDE PCKQPCTTPR ADCGHPCMAP CHTSSPCPVT ACKAKVELQC ECGRRKEMVI
CSEASSTYQR IAAISMASKI TDMQLGGSVE ISKLITKKEV HQARLECDEE CSALERKKRL
AEAFHISEDSPFNRSSGS KFSDSLKEDA RKDLKFVSDV EKEMETLVEA VNKGKNSKKS
HSFPPMNRDH RRIHDLAQV YGLESVSYDS EPKRNWVTA IRGKSVCPPT TLTGVLEREM
QARPPPIPH HRHQSDKNPG SSNLQKITKE PIIDYFDVQD

Sequence without tag. The proposed Purification-Tag is based on experiences 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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	NFX1
Alternative Name:	NFX1 (NFX1 Products)
Background:	Transcriptional repressor NF-X1 (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.

Target Details

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: 124.4 kDa

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition 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: 12 months