

Datasheet for ABIN7564392
NPAT Protein (AA 1-1420) (His tag)



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Overview

Quantity:	1 mg
Target:	NPAT
Protein Characteristics:	AA 1-1420
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPAT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Npat Protein expressed in mammalian cells.
Sequence:	<p>MLLPSDVARL VLGYLQQENL TSTCQTFILE SSNLKEYAEH CTDEGFIPAC LLSLFGKNLT TILNEYVAMK AKETSNDVPT IMSSLWKKLD HTLSQIRSMH SSPGFAAHQR ARTRNGIAEI KRQRWLASQA APVSELLVL PYASGQFTTS PLVATQAVKP TGPSTPVRS NIVVVNQSQP QSTVTNTAGE SLNIIPGPQE RKTQTS LMSP GRRKSESQKK SLTSSGPHSS RNFQDPNAFA VEKQMVIENA REKILSNKSL QEKLAENINK FLTSDSSVAQ VPKQTD SNPT EPETSIDELL GLPSEIHMSE EAIQDILEQT ESDPAFQALF DLFDYGKTKN NKNMPQISSQ PMETNSNIVL PEETNLTIKS SFETEESDQ SGQPPFCTSY QNEDVLLNDL KSGNSHDVLP QESQENFSQI SSNIQKTKFK TAIPAEQKCA LDITLESVSN LSDFNQRGSS AECNEHCSEL FASQIPTEAE VAVGEKNLSL ADILSQSQYQ PDQPSVPVTS FVSLGGETND KNLVLSGKNS QLLSQSTPLT TKPSKSQLCE NSNNIKVKT NPQASEADS SETANRKTET NTVSPAAAQP QADCQDNSPL QSKPPPGIGE SLGVNVTEKI EIHLEEPAPS DKQLSNDAAAS VDLNPTESKT EPLQSASAAQE PEPPSVKDGD TIFLSLSEHN SC EEVALVLG EGNPVKNNNS LSSSEGGSVG VSPETQNTDG</p>

KTSNSTEVDA SSIIVSLKIII SDDPFVSSDA ELNSAVSSIS GENLPTIILS SKSPAKNAEF VTCLSSEETA
SAVVSVEVGD SGSMEQNLLV LKPEEPMVNN TQNEGDIAFS ANVAPCVPKD GGYIQLMPTT
STAFGNSSNI LIATCMTDST ALGPTVSQSN VVVLPGSSAP MTAQPPQQQL QTPPKSNSAF
AVSQAVSPNF SQGSIIIAS PVQPVLQGMV GMIPVSVVGQ NGNTFSTPPQ QVLHMPLAAP
VCNRSIAQLP IPQKSQKAQG LRNKLITGKQ VNNLTNLSSL SEACHTQRTE ASDKNIATEL
GKKMEDTTIS LSGERVAPPS KPFESHRRVL CFDSTVSSVA NTQGSLYKMT SENKEKKEAS
FSHLDSPILS STLKPPPNA IKREREKTVP KILSKSETAS SRHTTVKEVQ SEKKVSPTEV
ALESLHKATA NKENELCGDG ERPKNADTSK LPGGQQNGSL RNEKAIASLQ ELTKKQATPS
NNKNATSVGG TVKDQKQEQS KPASSLIGAE ILQDVPIHSP ANRSADTDLP VPRTPGSGAG
EKHKEEPSDS MKAPASRRCG EEGSMPRVMI PPVTADLPAC SPASETGSEN SVSMAAHTLM
ILSRAAIART TATPLKDNTQ QFRTSSRSTT KKRKIEELDE CERNRSTSGK NLANSSVPMK
KKKIKKKKLP SSFPAGMDVD KFLLSLHYDE **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	NPAT
Alternative Name:	Npat (NPAT Products)
Background:	Protein NPAT,FUNCTION: Required for progression through the G1 and S phases of the cell cycle and for S phase entry. Activates transcription of the histone H2A, histone H2B, histone H3 and histone H4 genes in conjunction with MIZF. Also positively regulates the ATM, MIZF and PRKDC promoters. Transcriptional activation may be accomplished at least in part by the recruitment of the NuA4 histone acetyltransferase (HAT) complex to target gene promoters (By similarity). Required for early embryonic development. {ECO:0000250, ECO:0000269 PubMed:9199343}.
Molecular Weight:	152.2 kDa
UniProt:	Q8BMA5

Application Details

Application Notes:	We expect the protein to work for functional studies. 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