

Datasheet for ABIN7554775
NPAT Protein (AA 1-1427) (His tag)



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Overview

Quantity:	1 mg
Target:	NPAT
Protein Characteristics:	AA 1-1427
Origin:	Human
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:	MLLPSDVARL VLGYLQQENL ISTCQTFILE SSDLKEYAEH CTDEGFIPAC LLSLFGKNLT TILNEYVAMK TKETSNNVPA IMSSLWKKLD HTLSQIRSMQ SSPRFAGSQR ARTRTGIAEI KRQRKLASQT APASAELLTL PYLSGQFTTP PSTGTQVTRP SGQISDPSRS YFVVVNHSQS QDTVTTGEAL NVIPGAQEKK AHASLMSPGR RKSESQRKST TLSGPHSTIR NFQDPNAFAV EKQMVIENAR EKILSNKSLQ EKLAENINKF LTSDNNTIAQV PKQTDNNPTE PETSIDEFLG LPSEIHMSEE AIQDILEQTE SDPAFQALFD LFDYGKTKNN KNISQSISSQ PMESNPSIVL ADETNLAVKG SFETEESDGQ SGQPAFACTSY QNDDPLNALK NSNNHDVLRQ EDQENFSQIS TSIQKKAFKT AVPTEQKCDI DITFESVPNL NDFNQRGNSN AECNPHCAEL YTNQMSTETE MAIGIEKNSL SSNVPSESQL QPDQDPDIPIT SFVSLGCEAN NENLILSGKS SLLSQDTSL TGKPSKKSQF CENSNDTVKL KINFHGSKSS DSSEVHYSKI EINVLEPVMS QLSNCQDNCS LQSEILPVSV ESSHLNVSGQ VEIHLGDSLS STKQPSNDSA SVELNHTENE AQASKSENSQ EPSSSVKEEN TIFLSLGGNA NCEKVALTPP EGTPEVNSHS LPPESVCSSV GDSHPESQNT

DDKPSSNNSA EIDASNIVSL KVIISDDPFV SSDTELTSAV SSINGENLPT IILSSPTKSP
TKNAELVKCL SSEETVGAVV YAEVGDSASM EQSLLTFKSE DSAVNNTQNE DGIAFSANVT
PCVSKDGGYI QLMPATSTAF GNSNNILIAT CVTDPTALGT SVSQSNVVVL PGNSAPMTAQ
PLPPQLQTPP RSNSVFAVNQ AVSPNFSQGS AIIIASPVQP VLQGMVGMIP VSVVGGQNGNN
FSTPPRQVLH MPLTAPVCNR SIPQFPVPPK SQKAQGLRNK PCIGKQVNNL VDSSGHSVGC
HAQKTEVSDK SIATDLGKKS EETTVPFPEE SIVPAAKPCH RRVLCFDSTT APVANTQGPN
HKMVSQNKER NAVSFPNLDS PNVSSTLKPP SNNAIKREKE KPPLPKILSK SESAISRHTT
IRETQSEKKV SPTEIVLESF HKATANKENE LCSDVERQKN PENSKLSIGQ QNGGLRSEKS
IASLQEMTKK QGTSSNNKNV LSVGTAVKDL KQEQTKSASS LITTEMLQDI QRHSSVSRLA
DSSDLPVVRT PGSGAGEKHK EEPIDIIPKAP SSRRFSEDSS TSKVMVPPVT PDLPACSPAS
ETGSENSVNM AAHTLMILSR AAISRTTSAT PLKDNTQQFR ASSRSTTKKR KIEELDERER
NSRPSSKNLT NSSIPMKKKK IKKKKLPSF PAGMDVDKFL LSLHYDE **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:	<p>Protein NPAT (Nuclear protein of the ataxia telangiectasia mutated locus) (Nuclear protein of the ATM locus) (p220),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. {ECO:0000269 PubMed:10995386, ECO:0000269 PubMed:10995387, ECO:0000269 PubMed:12665581, ECO:0000269 PubMed:12724424, ECO:0000269 PubMed:14585971, ECO:0000269 PubMed:14612403, ECO:0000269 PubMed:15555599, ECO:0000269 PubMed:15988025, ECO:0000269 PubMed:16131487, ECO:0000269 PubMed:17163457, ECO:0000269 PubMed:17826007, ECO:0000269 PubMed:17967892, ECO:0000269 PubMed:17974976, ECO:0000269 PubMed:9472014}.</p>
Molecular Weight:	154.3 kDa
UniProt:	Q14207

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