

Datasheet for ABIN7554731
NFAT1 Protein (AA 1-925) (His tag)



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Overview

Quantity:	1 mg
Target:	NFAT1
Protein Characteristics:	AA 1-925
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFAT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinant NFATC2 Protein expressed in mammalian cells.
Sequence:	<p>MNAPERQQPQ DGGDAPGHEP GGSPQDELDF SILFDYEYLN PNEEPPNAHK VASPPSGPAY</p> <p>PDDVLDYGLK PYSPLASLSG EPPGRFGEPD RVGPQKFLSA AKPAGASGLS PRIEITPSHE</p> <p>LIQAVGPLRM RDAGLLVEQP PLAGVAASPR FTLVPVGFEG YREPLCLSPA SSGSSASFIS</p> <p>DTFSPYTPSP VSPNNGGPDD LCPQFQNIPI HYSPTSPIM SPRTSLAEDS CLGRHSPVPR</p> <p>PASRSSSPGA KRRHSCEAL VALPPGASPP RSRSPSPQPS SHVAPQDHGS PAGYPPVAGS</p> <p>AVIMDALNSL ATDSPCGIPP KMWKTSPDPS PVSAAPSKAG LPRHIYPVE FLGPCEQGER</p> <p>RNSAPESILL VPPTWPKPLV PAIPICIPV TASLPPLWLP LSSQSGSYEL RIEVQPKPHH</p> <p>RAHYETEGSR GAVKAPTGGH PVVQLHGYME NKPLGLQIFI GTADERILKP HAFYQVHRIT</p> <p>GKTVTTTSYE KIVGNTKVLE IPLEPKNNMR ATIDCAGILK LRNADIELRK GETDIGRKNT</p> <p>RVRLVFRVHI PESSGRIVSL QTASNPIECS QRSAHELPMV ERQDTSCLV YGGQQMILTG</p> <p>QNFTSESKVV FTEKTTDGQQ IWEMEATVDK DKSQPNMLFV EIPEYRNKHI RTPVKVNFYV</p>

Product Details

INGKRKRSQP QHFTYHPVPA IKTEPTDEYD PTLICSPTHG GLGSQPYYPQ HPMVAESPSC
LVATMAPCQQ FRTGLSSPDA RYQQQNPAAV LYQRSKSLSP SLLGYQQPAL MAAPLSLADA
HRSVLVHAGS QGQSSALLHP SPTNQQASPV IHYSPTNQQ L RCGSHQEFQH IMYCENFAPG
TTRPGPPPVS QGQRLSPGSY PTVIQQNAT SQRAAKNGPP VSDQKEVLPA GVTIKQEQL
DQTYLDDVNE IIRKEFSGPP ARNQT **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:

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, Western Blot

Grade:

custom-made

Target Details

Target:

NFAT1

Alternative Name:

NFATC2 ([NFAT1 Products](#))

Background:

Nuclear factor of activated T-cells, cytoplasmic 2 (NF-ATc2) (NFATc2) (NFAT pre-existing subunit) (NF-ATp) (T-cell transcription factor NFAT1), FUNCTION: Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2, IL-3, IL-4, TNF-alpha or GM-CSF (PubMed:15790681). Promotes invasive migration through the activation of GPC6 expression and WNT5A signaling pathway (PubMed:21871017). Is involved in the negative regulation of chondrogenesis (PubMed:35789258). {ECO:0000269|PubMed:15790681,

Target Details

	ECO:0000269 PubMed:21871017, ECO:0000269 PubMed:35789258}.
Molecular Weight:	100.1 kDa
UniProt:	Q13469
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , VEGF Signaling , BCR Signaling

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