

Datasheet for ABIN7563863
NFAT1 Protein (AA 1-927) (His tag)



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Overview

Quantity:	1 mg
Target:	NFAT1
Protein Characteristics:	AA 1-927
Origin:	Mouse
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 recombinat Nfatc2 Protein expressed in mammalian cells.
Sequence:	MDVPEPQPDP DGGDGP GHEP GGSPQDELDF SILFDYDYLN PEEEEPIAHK AISSPSGLAY PDDVLDYGLK PCNPLASLSG EPPGRFGEPD SIGFQNFLSP VKPAGASGPS PRIEITPSHE LMQAGGALRG RDAGLSPEQP ALALAGVAAS PRFTLPVPGY EGYREPLCLS PASSGSSASF ISDTFSPYTS PCVSPNNAGP DDLCPQFQNI PAHYSPTSP IMSPTSLAE DSCLGRHSPV PRPASRSSSP GAKRRHSAC ALVAPLPAAS PQRSRSPSPQ PSHVALQDD SIPAGYPPTA GSAVLMDALN TLATDSPCGI PSKIWKTPD PTPVSTAPSK AGLARHIYPT VEFLGPCEQE ERRNSAPESI LLVPPTWPKQ LVPAIPICSI PVTASLPPL WPLSNQSGSY ELRIEVQPKP HHRAHYETEG SRGAVKAPT GHPVVQLHGY MENKPLGLQI FIGTADERIL KPHAFYQVHR ITGKTVTTTS YEKIVGNTKV LEIPLEPKNN MRATIDCAGI LKLRNADIEL RKGETDIGRK NTRVRLVFRV HVPEPSGRIV SLQAASNPIE CSQRSHELP MVERQDMDSC LYGQGQMIL TGQNFTAESK VVFMKTTDG QQIWEMEATV DKDKSQPNML FVEIPEYRNK HIRVPVKVNF

YVINGKRKRS QPQHFTYHPV PAIKTEPSDE YEPSLICSPA HGGLGSQPY Y PQHPMLAESP
SCLVATMAPC QQFRSGLSSP DARYQQQSPA AALYQRSKSL SPGLLGYYQP SLLAAPLGLA
DAHRSVLVHA GSQGGGGST LPHTSSASQQ ASPVIHYSPT NQQLRGGGHQ EFQHIMYCEN
FGPSSARPGP PPINQGQRLS PGAYPTVIQQ QTAPSQRAAK NGPSDQKEAL PTGVTVKQEQ
NLDQTYLDDV NEIRKEFSG PPSRNQT **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. Promotes invasive migration through the activation of GPC6 expression and WNT5A signaling pathway (By similarity). Is involved in the negative regulation of chondrogenesis (PubMed:10620601). {ECO:0000250|UniProtKB:Q13469,

Target Details

	ECO:0000269 PubMed:10620601}.
Molecular Weight:	100.0 kDa
UniProt:	Q60591
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