

Datasheet for ABIN7562694

NFATC1 Protein (AA 1-717) (His tag)



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Overview

Quantity:	1 mg
Target:	NFATC1
Protein Characteristics:	AA 1-717
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFATC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nfatc1 Protein expressed in mammalian cells.
Sequence:	<p>MPNTSFPVPS KFPLGPPAAV CGSGETLRPA PPSGGTMKAA EEEHYSYVSP SVTSTLPLPT</p> <p>AHSALPAACH DLQTSTPGIS AVPSANHPPS YGGAVDSGPS GYFLSSGNTR PNGAPTLESP</p> <p>RIEITSYLGL HHGSGQFFHD VEVEDVLPSC KRSPSTATLH LPSLEAYRDP SCLSPASSLS</p> <p>SRSCNSEASS YESNYSYPYA SPQTSPWQSP CVSPKTTDPE EGFPRSLGAC HLLGSPRHSP</p> <p>STSPRASITE ESWLGARGSR PTSPCNKRKY SLNGRQPSCS PHHSPTPSPH GSPRVSVTED</p> <p>TWLGNTTQYT SSAIVAAINA LTTDSTLDLG DGVPIKSRKT ALEHAPSVAL KVEPAGEDLG</p> <p>TTPPTSDFPP EETTFQHLRK GAFCEQYLSV PQASYQWAKP KSLSPTSYSMS PSLPALDWQL</p> <p>PSHSGPYELR IEVQPKSHHR AHYETEGSRG AVKASAGGHP IVQLHGYLEN EPLTLQLFIG</p> <p>TADDRLLRPH AFYQVHRITG KTVSTTSHEI ILSNTKVLEI PLLPENNMRA IIDCAGILKL</p> <p>RNSDIELRKG ETDIGRKNTR VRLVFRVHIP QPNGRTLSQL VASNPIECSQ RSAQELPLVE</p> <p>KQSTDSPVI GGKMMVLSGH NFLQDSKVIF VEKAPDGHV WEMEAKTDRD LCKPNSLVVE</p>

IPPFRNQKIT SPAQVSFYVC NGKRKRSQYQ RFTYLPANGN SVFLTLSSES ELRGGFY **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:

NFATC1

Alternative Name:

Nfatc1 ([NFATC1 Products](#))

Background:

Nuclear factor of activated T-cells, cytoplasmic 1 (NF-ATc1) (NFATc1) (NFAT transcription complex cytosolic component) (NF-ATc) (NFATc),FUNCTION: Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 or IL-4 gene transcription (PubMed:9388475). Also controls gene expression in embryonic cardiac cells. Could regulate not only the activation and proliferation but also the differentiation and programmed death of T-lymphocytes as well as lymphoid and non-lymphoid cells (By similarity). Required for osteoclastogenesis and regulates many genes important for osteoclast differentiation and function (PubMed:23990468, PubMed:26644563). {ECO:0000250|UniProtKB:O95644, ECO:0000269|PubMed:23990468,

Target Details

	ECO:0000269 PubMed:9388475, ECO:0000303 PubMed:26644563}.
Molecular Weight:	77.8 kDa
UniProt:	O88942
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway

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