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NFATC2 Human

Nuclear Factor Of Activated T Cells 2 Human Recombinant
RCP1485

Product Overview

Name	NFATC2 Human

Description

Nuclear Factor Of Activated T Cells 2 Human Recombinant

Accession (Primary)	Q13469

Synonyms

Nuclear Factor Of Activated T Cells 2, Nuclear Factor Of Activated T-Cells, Cytoplasmic, Calcineurin-Dependent 2, Nuclear Factor Of Activated T-Cells 2, NFAT Pre-Existing Subunit, NF-ATc2, NFAT1, NFATP, Nuclear Factor Of Activated T-Cells, Preexisting Component , Nuclear Factor Of Activated T-Cells, Cytoplasmic 2, NFAT Transcription Complex, Preexisting Component, Preexisting Nuclear Factor Of Activated T-Cells 2, T Cell Transcription Factor NFAT1, T-Cell Transcription Factor NFAT1, NF-ATp, NFATc2.

Introduction

NFATC2, also known as nuclear factor of activated T-cells 2, belongs to the nuclear factor of activated T cells family. NFATC2 takes a significant part in the course of T helper cell differentiation, activation, and effector function. Even though KO of an individual NFAT isoform in T cells directs to rather minor effects, T cells lacking for NFATC1 and 2 totally fail to produce T helper cell effector cytokines, for instance the interleukins IL-4 and IL-2. Moreover, NFATC2 is highly phosphorylated and kept in the cytoplasm. Next T cell receptor stimulation, dephosphorylation via calcium-activated calcineurin induces a conformational modification of NFATC2 which reveals a few nuclear localization sequences.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

NFATC2 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) 40% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

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Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

M PLEWPLSSQ SGSYELRIEV QPKPHHRAHY ETEGSRGAVK APTGGHPVVQ LHGYMENKPL GLQIFIGTAD ERILKPHAFY QVHRITGKTV TTTSYEKIVG NTKVLEIPLE PKNNMRATID CAGILKLRNA DIELRKGETD IGRKNTRVRL VFRVHIPESS GRIVSLQTAS NPIECSQRSA HELPMVERQD TDSCLVYGGQ QMILTGQNFT SESKVVFTEK TTDGQQIWEM EATVDKDKSQ PNMLFVEIPE YRNKHIRTPV KVNFYVINGK RKRSQPQHFT YHPV HHHHHH

Precautions

NFATC2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13469)