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32-13335: NFATC2 Human

Alternative Name :	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 ComponentÂ , 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,Â NF-ATp, NFATc2.Â Â Â Â

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
NFATC2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 290 amino acids (396-678a.a.) and having a molecular mass of 33.1kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). NFATC2 is expressed with a 7 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques. Â

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	NFATC2 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) 40% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MPLEWPLSSQ 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 YHPVHHHHHH

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