

Recombinant Human NFATC2 Protein, His tagged

Cat. No. NFATC2-23H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human NFATC2, fused to His-tag at C-terminus (396-678 aa), was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	396-678 aa
Description	This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants encoding different isoforms have been characterized.
Form	Liquid in Phosphate-Buffered Saline (pH 7.4) containing 40% glycerol, 1mM DTT
Molecular Mass	33.1 kDa (290aa)
AASequence	PLEWPLSSQSGSYELRIEVQPKPHHRAHYETEGSRGAVKAPTGGHPVVQLHGYME NKPLGLQIFIGTADERILKPHAFYQVHRITGKTVTTTSYEKIVGNTKVLEIPLEPKNNMR

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ATIDCAGILKLRNADIELRKGETDIGRKNTRVRLVFRVHIPRESSGRIVSLQTASNPIECS
 QRSHELPMVERQDTSCLVYGGQQMILTGQNFTSESKVVFTEKTTDGGQIWEWE
 ATVDKDKSQPNMLFVEIPEYRNKHIRTVPKVNIFYVINGKRKRKRSQPQHFTYHPV

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS-PAGE

Applications SDS-PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/mL (determined by absorbance at 280nm)

GENE INFORMATION

Gene Name NFATC2 nuclear factor of activated T cells 2 [Homo sapiens (human)]

Official Symbol NFATC2

Synonyms NFATC2; nuclear factor of activated T cells 2; nuclear factor of activated T-cells, cytoplasmic 2; NF-ATc2; NFAT pre-existing subunit; NFAT transcription complex, preexisting component; T cell transcription factor NFAT1; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2; nuclear factor of activated T-cells, preexisting component; preexisting nuclear factor of activated T-cells 2; JCOSL; NFAT1; NFATP

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Gene ID	4773
mRNA Refseq	NM_173091
Protein Refseq	NP_775114
MIM	600490
UniProt ID	Q13469

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