

Recombinant Human NFATC2, His-tagged

Cat. No. NFATC2-29251TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 320-849 (530 amino acids) of Human NFAT1 with an N terminal His tag. Predicted mwt: 60 kDa;
Species	Human
Source	E.coli
ProteinLength	320-849 a.a.
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.
Conjugation	HIS
Tissue specificity	Expressed in thymus, spleen, heart, testis, brain, placenta, muscle and pancreas.
Form	Lyophilised:Reconstitute with 85 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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phosphate, 10mM Sodium chloride, pH 4.5

Storage

Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

GLPRHIYPAVEFLGPCEQGERRNSAPESILLVPPTWPKPL VPAIPICSIPVTASLPPL
WPLSSQSGSYELRIEVQPK PHHRAHYETEGSRGAVKAPTGGHPVVQLHGYMENK
PLG LQIFIGTADERILKPHAFYQVHRITGKTVTTTSYEKIVGN TKVLEIPLEPKNNMRA
TIDCAGILKLRNADIELRKGET DIGRKNTRVRLVFRVHIPESSGRIVSLQTASNPIECS
Q RSAHELMVERQDTSCLVYGGQQMILTGQNFTSESKVVFTEKTTDGGQQIWEME
ATVDKDKSQPNMLFVEIPEYRNKH IRTPVKVNFYVINGKRKRSQPQHFTYHPVPAIK
TEPTD EYDPTLICSPTHGGLGSQPYYPQHPMVAESPSCLVATM APCQQFRTGLSS
PDARYQQQNPAAVLYQRSKSLSPSLLGY QQPALMAAPLSLADAHRSVLVHAGSQG
QSSALLHPSPT NQQASPIHYSPTNQQLRGSHQEFQHIMYCENFAPGT TRPGPP
PVSQGGQRLSPGSYPTVIQQQNA

Sequence

Contains 1 RHD (Rel-like) domain.

Similarities

GENE INFORMATION

Gene Name

NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 [[Homo sapiens](#)]

Official Symbol

[NFATC2](#)

Synonyms

NFATC2; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2; nuclear factor of activated T-cells, cytoplasmic 2; NF ATP; NFAT1; NFATp;

Gene ID

[4773](#)

mRNA Refseq

[NM_001136021](#)

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Protein Refseq	NP_001129493
MIM	600490
Uniprot ID	Q13469
Chromosome Location	20q13.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem;
Function	DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;

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