

Recombinant Human NFATC3

Cat. No. NFATC3-29252TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 70-149 of Human NFAT4 with an N terminal proprietary tag; Predicted MWt 34.43 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	80 amino acids
Description	The product of this gene is a member of the nuclear factors of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes. Several transcript variants encoding distinct isoforms have been identified for this gene.
Molecular Weight	34.430kDa inclusive of tags
Tissue specificity	Isoform 1 is predominantly expressed in thymus and is also found in peripheral blood leukocytes and kidney. Isoform 2 is predominantly expressed in skeletal muscle and is also found in thymus, kidney, testis, spleen, prostate, ovary, small intestine, hear
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	HSSVLSPSFQLQSHKNYEGTCEIPESKYSPLGGPKPFECPSIQITSISPNCHQELDAH EDDLQINDPEREFLERPSRDHL
Sequence Similarities	Contains 1 RHD (Rel-like) domain.

GENE INFORMATION

Gene Name	NFATC3 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 [Homo sapiens]
Official Symbol	NFATC3
Synonyms	NFATC3; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3; nuclear factor of activated T-cells, cytoplasmic 3; NFAT4; NFATX;
Gene ID	4775
mRNA Refseq	NM_004555
Protein Refseq	NP_004546
MIM	602698
Uniprot ID	Q12968

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Chromosome Location	16q22
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; chromatin binding; sequence-specific DNA binding transcription factor activity;

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