

## Recombinant Human NFATC3

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 70-149 of Human NFAT4 with an N terminal proprietary tag; Predicted MWt 34.43 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	80 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	34.430kDa inclusive of tags
<b>Tissue specificity</b>	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
<b>Form</b>	Liquid

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

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

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<b>Chromosome Location</b>	16q22
<b>Pathway</b>	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;
<b>Function</b>	DNA binding; chromatin binding; sequence-specific DNA binding transcription factor activity;

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