

Recombinant Human NFATC3

Cat. No. NFATC3-27538TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NFAT4 Isoform 2 with N terminal proprietary tag; MW: 143.55 inclusive of tag
Species	Human
Source	Wheat Germ
ProteinLength	1068 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	143.550kDa
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	MTTANCGAHDELDFKLVFGEDGAPAPPPPGSRPADLEPDD CASIYIFNVDPPPSTLT TPLCLPHHGLPSHSSVLSPSFQL QSHKNYEGTCEIPESKYSPLGGPKPFECPSIQIT SISPNC HQELDAHEDDLQINDPEREFLEPRSRDHLYLPLEPSYRES SLSPSPASSIS SRSWFSDASSCESLSHIYDDVDSELNEAA ARFTLGSPLTSPGGSPGGCPGEETWH QQYGLGHSLSPRQS PCHSPRSSVTDENWLSRPASGPSSRPTSPCGKRRHSSAE VCYAGSLSPHHSPVPSPGHSPRGSVTEDTWLNASVHGGSG LGPAVFPPFYCVET DIPLKTRKTSQDQAAILPGKLELCSD DQGSLSPARETSIDDGLGSQYPLKKDSCGDQ FLSVPSPT WSKPKPGHTPIFRTSSLPLDWPLPAHFGQCELKIEVQPK THHRAHY ETEGSRGAVKASTGGHPVVKLLGYNEKPINLQM FIGTADRYLRPHAFYQVHRITG KTVATASQEIITASTKV LEIPLLPENNMSASIDCAGILKLRNSDIELRKGETDIGRK NTR VRLVFRVHIPQPSGKVLSLQIASIPVECSQRSAQELP HIEKYSINSCSVNGGHEMVVT GSNFLPESKIIFLEKGQDG RPQWEVEGKIIREKCQGAHIVLEVPPYHNPAVTAQV HF YLCNGKRKKSQSQRTYTPVLMKQEHREEIDLSSVPSLPV PHPAQTQRPSSDS GCHDSVLSGQRLSICSIPTIYASMTV SSHLPQLQCRDESVSKEQHMIPSPIVHQPF QVTPTPPVGS SYQPMQTNVYNGPTCLPINAASSQEFDSVLFQQDATLSG LVNLG CQPLSSIPFHSSNSGSTGHLLAHTPHSVHTLPHLQ SMGYHCSNTGQRLSSPVAD QITGQPSSQLQPITYGPSHS GSATTASPAASHPLASSPLSGPPSPQLQPMPIYQSPS SGTA SSPSPATRMHSGQHSTQAQSTGQGGLSAPSSLICHSLCDP ASFPPDGATVS IKPEPEDREP NFATIGLQDITLDDDDQFIS DLEHQPSGSAEKWPNHVLSLCPAPFWRI
Sequence Similarities	Contains 1 RHD (Rel-like) domain.

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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
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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