

Recombinant Human NFATC3

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

SPECIFICATION

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|---------------------------|---|
| 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 | <p>MTTANCGAHDELDFKLVFGEDGAPAPPPPGSRPADLEPDD CASIYIFNVDPPPSTLT TPLCLPHHGLPSHSSVLSPSFQL QSHKNYEGTCEIPESKYSPLGGPKPFECPSIQIT SISPNC HQELDAHEDDLQINDPEREFLERPSRDHLYLPLEPSYRES SLSPSPASSIS SRSWFSDASSCESLSHIYDDVDSELNEAA ARFTLGSPLTSPGGSPGGCPEETWH QQYGLGHSLSPRQS PCHSPRSSVTDENWLSRPASGPSSRPTSPCGKRRHSSAE VCYAGSLSPHHSPVPSPGHSPRGSVTEDTWNASVHGGSG LGPAVFPFQYCVET DIPLKTRKTSEDQAAILPGKLELCSD DQGSLSPARETSIDDGLGSQYPLKKDSCGDQ FLSVSPFT WSKPKPGHTPIFRTSSLPLDWPLPAHFGQCELKIEVQPK THHRAHY ETEGSRGAVKASTGGHPVVKLLGYNEKPINLQM FIGTADDRYLPHAFYQVHRITG KTVATASQEIISTKV LEIPLLPENMSASIDCAGILKLRNSDIELRKGETDIGRK NTR VRLVFRVHIPQPSGKVLSQLIASIPVECSQRSQAQLP HIEKYSINSCSVNGGHEMVVT GSNFLPESKIIFLEKGQDG RPQWEVEGKIIREKCGAHIVLEVPPYHNPAVTAAVQV HF YLCNGKRKKSQSQRFTYTPVLMKQEHREEIDLSSVPSLPV PHPAQTQRPSSDS GCSHDSVLSGQRSLICSIPTQYASMVT SSHLPQLQCRDESVSKEQHMIPIVHQPF QVTPTPPVGS SYQPMQTNVYNGPTCLPINAASSQEFDSVLFQQDATLSG LVNLG CQPLSSIPFHSSNSGSTGHLLAHTPHSVHTLPHLQ SMGYHCSNTGQRSLSSPVAD QITGQPSSQLQPITYGPSHS GSATTASPAASHPLASSPLSGPPSPQLQPMPYQSPS SGTA SSPSPATRMHSGQHSTQAQSTGQGGLSAPSSLICHSLCDP ASFPPDGATVS IKPEPEDREPNFATIGLQDITLDDDQFIS DLEHQPSGSAEKWPNHNSVLSCPAPFWRI</p> |
| 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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