

Recombinant Human NFAT5

Cat. No. NFAT5-30376TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1422-1531 of Human NFAT5 protein with a proprietary tag; predicted mwt: 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress in mammalian cells. Unlike monomeric members of this protein family, this protein exists as a homodimer and forms stable dimers with DNA elements. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	37.730kDa
Tissue specificity	Highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes. Also expressed in placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon.
Form	Liquid

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FHNTAGGTMNQLQNSPGSSQQTSGMFLFGIQNNCSQLLTSGPATLPDQLMAISQP GQPQNEGQPPVTLLSQQMPENSPLASSINTNQNI EKIDLLVSLQNQGNL TG SF
Sequence Similarities	Contains 1 RHD (Rel-like) domain.

GENE INFORMATION

Gene Name	NFAT5 nuclear factor of activated T-cells 5, tonicity-responsive [Homo sapiens]
Official Symbol	NFAT5
Synonyms	NFAT5; nuclear factor of activated T-cells 5, tonicity-responsive; nuclear factor of activated T-cells 5; KIAA0827; NF AT5; NFATL1; NFATZ; OREBP; TONEBP;
Gene ID	10725
mRNA Refseq	NM_001113178
Protein Refseq	NP_001106649
MIM	604708
Uniprot ID	O94916

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Chromosome Location	16q22.1
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; HTLV-I infection, organism-specific biosystem;
Function	DNA binding; sequence-specific DNA binding transcription factor activity;

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