Recombinant Human NFATC3 293 Cell Lysate

Cat. No. NFATC3-3856HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; NF-ATc3; T cell transcription factor NFAT4; nuclear factor of activated T-cells c3 isoform IE-Xa;
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,

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	conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem;
Function	DNA binding; chromatin binding; sequence-specific DNA binding transcription factor activity;

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