Recombinant Human NFYB 293 Cell Lysate

Cat. No. NFYB-3839HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nuclear transcription factor Y, beta (NFYB) 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.

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

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	NFYB nuclear transcription factor Y, beta [Homo sapiens]
Official Symbol	NFYB
Synonyms	NFYB; nuclear transcription factor Y, beta; nuclear transcription factor Y subunit beta; CBF A; HAP3; NF YB; Transcription factor NF-Y, B subunit; CAAT box DNA-binding protein subunit B; nuclear transcription factor Y subunit B; CCAAT-binding transcription factor subunit A; CBF-A; CBF-B; NF-YB;
Gene ID	4801
mRNA Refseq	NM_006166
Protein Refseq	NP_006157
MIM	189904
UniProt ID	P25208
Chromosome Location	12q22-q23
Pathway	Activation of Chaperone Genes by ATF6-alpha, organism-specific biosystem; Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Antigen processing and presentation,

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	organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Diabetes pathways, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem;
Function	DNA binding; protein binding; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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