# Recombinant Human NFYB 293 Cell Lysate

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

## SPECIFICATION

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| **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. |
| **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 |

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| | mixture at room temperature for 30 min). Load 5 ug lysate per lane. |

## GENE INFORMATION

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| **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, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Diabetes pathways, organism-specific biosystem; Direct p53 effectors, |

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| | 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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