

Recombinant Human CEBPB 293 Cell Lysate

Cat. No. CEBPB-7598HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for CCAAT/enhancer binding protein (C/EBP), beta (CEBPB) 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

CEBPB CCAAT/enhancer binding protein (C/EBP), beta [Homo sapiens]

Official Symbol

CEBPB

Synonyms

CEBPB; CCAAT/enhancer binding protein (C/EBP), beta; TCF5; CCAAT/enhancer-binding protein beta; C/EBP beta; CRP2; IL6DBP; interleukin 6 dependent DNA binding protein; LAP; liver enriched transcriptional activator protein; NFIL6; nuclear factor of interleukin 6; TCF-5; nuclear factor NF-IL6; transcription factor 5; interleukin 6-dependent DNA-binding protein; liver-enriched transcriptional activator protein; NF-IL6; C/EBP-beta; MGC32080;

Gene ID

1051

mRNA Refseq

NM_005194

Protein Refseq

NP_005185

MIM

189965

UniProt ID

P17676

Chromosome Location

20q13.1

Pathway

Adipogenesis, organism-specific biosystem; C-MYB transcription factor network,

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organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; glucocorticoid receptor binding; protein binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding;