

Recombinant Human CEBPB, His-tagged

Cat. No. CEBPB-27010TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 125-345 of Human CEBP Beta with N terminal His tag; Predicted MWt 26 kDa.
Species	Human
Source	E.coli
ProteinLength	125-345 a.a.
Description	The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related proteins CEBP-alpha, CEBP-delta, and CEBP-gamma. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses and has been shown to bind to the IL-1 response element in the IL-6 gene, as well as to regulatory regions of several acute-phase and cytokine genes. In addition, the encoded protein can bind the promoter and upstream element and stimulate the expression of the collagen type I gene.
Conjugation	HIS
Tissue specificity	Expressed at low levels in the lung, kidney and spleen.
Form	Lyophilised:Reconstitute with 85 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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phosphate, 10mM Sodium chloride, pH 4.5

Storage

Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

DYGGKNCKKPAEYGYVSLGRLGAAKGALHPGCFAPLHPPP PPPPPPAELKAEPGF
 EPADCKRKEEAGAPGGGAGMAAG FPYALRAYLGYQAVPSGSSGSLSTSSSSSPP
 GTPSPAD AKAPPTACYAGAAPAPSQVKSKAKKTVDKHSDEYKIRR ERNNIAVRKSR
 DKAKMRNLETQHKVLELTAENERLQKKVEQLSRELSTLRNLFKQLPEPLASSGHC

Sequence Similarities

Belongs to the bZIP family. C/EBP subfamily. Contains 1 bZIP domain.

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 interleu

Gene ID

[1051](#)

mRNA Refseq

[NM_005194](#)

Protein Refseq

[NP_005185](#)

MIM

[189965](#)

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Uniprot ID	P17676
Chromosome Location	20q13.1
Pathway	Adipogenesis, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;
Function	DNA binding; glucocorticoid receptor binding; protein binding; protein heterodimerization activity; protein homodimerization activity;

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