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CEBP- , (bZIPregion, residues 270-358, His-tag, Human)

产品货号: TP01573

第三版

别名:CCAAT/enhancer binding protein , CEBPA

**描述:**CCAAT/enhancer binding protein(C/EBP) is a family of transcription factors that all contain a highly conserved, basic-leucine zipper domain at the C-terminus that is involved in dimerization and DNA binding. C/EBP family of transcription factors regulates viral and cellular CCAAT/enhancer element-mediated transcription. C/EBP family consist of several related proteins, C/EBP , , , that form homodimers and that form heterodimers with each other. C/EBP proteins contain the bZIP region, which is characterized by two motifs in the C-terminal half of the protein; a basic region involved in DNA binding and a leucine zipper motif involved in dimerization. C/EBPs differ significantly in their physiological functions and in their downstream target genes. For example, mice lacking C/EBP die shortly after birth due to severe hypoglycemia and the absence of glycogen storage in liver, whereas knockout of C/EBP causes defects in female reproduction. The bZip region of CEBP- (residues 270-358) was produced in E.coli and purified by ion-exchange chromatography and FPLC gel-filtration chromatography.

**配方:**Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl, 5 mM -Mercaptoethanol

**分子量:**14.5kDa (126aa), confirmed by MALDI-TOF

**序列:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMGAGKAKKSVDKNSNEYRVRRRERNNIIVRKS RDKAKQ  
RNVETQQKVLELTSDNDR LRKRVEQLSRELDTLRGIFRQLPESSLVKAMGNCA

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.