

Recombinant Human CEBPA, His-tagged

Cat. No. CEBPA-27009TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 270/358 of Human CEBP Alpha bZip region, with His tag.
Species	Human
Source	E.coli
Description	The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 5mM Beta mercaptoethanol, 20mM Tris HCl, 100mM Sodium chloride, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

 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

Sequences of amino acids

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGAGKAKKSVDKNS
 NEYRVRRERN NIAVRKSRDK AKQRNVETQQKVLELTSDND RLRKRVEQLS
 RELDTLRGIF RQLPESSLVKAMGNCA

Sequence Similarities

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

GENE INFORMATION

Gene Name

CEBPA CCAAT/enhancer binding protein (C/EBP), alpha [Homo sapiens]

Official Symbol

CEBPA

Synonyms

CEBPA; CCAAT/enhancer binding protein (C/EBP), alpha; CEBP; CCAAT/enhancer-binding protein alpha; C/EBP alpha;

Gene ID

1050

mRNA Refseq

NM_004364

Protein Refseq

NP_004355

MIM

116897

Uniprot ID

P49715

Chromosome Location

19q13.1

Pathway

Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adipogenesis, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Developmental Biology,

 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

organism-specific biosystem;

Function

DNA binding; protein binding; protein complex binding; protein domain specific binding; protein heterodimerization activity;

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