

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.

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Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGAGKAKKSVDKNS NEYRVRERERN NIAVRKSRDK AKQRNVETQQKVLELTSDND RLRKRVEQLS RELDTLRGIF RQLPESSLVKAMGNCA
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Sequence Similarities	Belongs to the bZIP family. C/EBP subfamily. Contains 1 bZIP domain.
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GENE INFORMATION

Gene Name	CEBPA CCAAT/enhancer binding protein (C/EBP), alpha [Homo sapiens]
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Official Symbol	CEBPA
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Synonyms	CEBPA; CCAAT/enhancer binding protein (C/EBP), alpha; CEBP; CCAAT/enhancer-binding protein alpha; C/EBP alpha;
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Gene ID	1050
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mRNA Refseq	NM_004364
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Protein Refseq	NP_004355
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MIM	116897
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Uniprot ID	P49715
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Chromosome Location	19q13.1
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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,
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organism-specific biosystem;

Function

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

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