

Recombinant Human CCAAT/enhancer binding protein Alpha, His-tagged

Cat. No. CEBPA-73H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCAAT/enhancer binding protein(C/EBP) Alpha, was expressed in Escherichia Coli, amino acids 126 (aa 270-358), His-Tag fusion protein
Species	Human
Source	E.coli
ProteinLength	amino acids 126 (aa 270-358)
Description	CCAAT/enhancer binding protein(C/EBP) a is a family of transcription factors that all contain a highly conserved, C/EBP family consist of several related proteins, C/EBP a,b,g,d, 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.
Molecular Mass	14.5 kDa
Purity	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Applications	ELISA, Western, antibody blocking
Usage	This item is for LABORATORY RESEARCH USE ONLY.

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Storage Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4°C for ~ 1 week or aliquots in suitable size and store at -20°C for long term storage.

Storage Buffer The protein contains 20mM Tris-HCl pH7.5, 0.1M NaCl and 5mM b-Mercaptoethanol.

Dilutions Users must optimize the appropriate concentration and conditions for each assay.

GENE INFORMATION

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

Official Symbol CEBPA

Synonyms CEBP; C/EBP-alpha; CCAAT/enhancer-binding protein alpha

Gene ID 1050

mRNA Refseq NM_001285829

Protein Refseq NP_001272758

MIM 116897

Chromosome Location 19q13.1

Pathway Acute myeloid leukemia, organism-specific biosystem; Adipogenesis, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem

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Function

DNA binding; HMG box domain binding; protein binding

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