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

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

## SPECIFICATION

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| **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

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| **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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