

CEBP delta/CEBPD Protein, Human (His-Myc)

Cat. No.:	HY-P72134
Synonyms:	C/EBP delta; C/EBP related protein 3; CCAAT/enhancer binding protein C/EBP; delta; CCAAT/enhancer binding protein delta; CCAAT/enhancer-binding protein delta; CEBP D; CEBPD; CEBPD_HUMAN; CELF; Crp 3; Crp3; NF IL6 beta; NF-IL6-beta; Nuclear factor NF IL6 beta; Nuclear factor NF-IL6-beta
Species:	Human
Source:	E. coli
Accession:	P49716 (S2-R269)
Gene ID:	1052
Molecular Weight:	Approximately 43 kDa

PROPERTIES

AA Sequence	<p>S A A L F S L D G P A R G A P W P A E P A P F Y E P G R A G K P G R G A E P G A</p> <p>L G E P G A A A P A M Y D D E S A I D F S A Y I D S M A A V P T L E L C H D E L</p> <p>F A D L F N S N H K A G G A G P L E L L P G G P A R P L G P G P A A P R L L K R</p> <p>E P D W G D G D A P G S L L P A Q V A A C A Q T V V S L A A A G Q P T P P T S P</p> <p>E P P R S S P R Q T P A P G P A R E K S A G K R G P D R G S P E Y R Q R R E R N</p> <p>N I A V R K S R D K A K R R N Q E M Q Q K L V E L S A E N E K L H Q R V E Q L T</p> <p>R D L A G L R Q F F K Q L P S P P F L P A A G T A D C R</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The CEBP delta/CEBPD protein serves as a transcription activator, recognizing two distinct DNA motifs: the CCAAT homology found in many promoters and the enhanced core homology prevalent in enhancers. This transcription factor plays a crucial role in regulating the expression of genes associated with immune and inflammatory responses. Functioning both as a homodimer and a heterodimer, CEBP delta enhances IL6 transcription independently and as a heterodimer with CEBPB. Additionally, it can form stable heterodimers not only with CEBPB but also with CEBPA and CEBPE. Notably, CEBP delta</p>
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directly interacts with SPI1/PU.1, and this interaction does not impact the DNA-binding properties of each partner. Furthermore, CEBP delta engages in an interaction with PRDM16, further highlighting its versatile role in transcriptional regulation.

Caution: Product has not been fully validated for medical applications. For research use only.

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