9051 Mira Mesa Blvd, #910094
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CEBP Alpha Human

CCAAT/enhancer binding protein CEBP Alpha Human Recombinant
RCP0384

Product Overview

Name	CEBP Alpha Human

Description

CCAAT/enhancer binding protein CEBP Alpha Human Recombinant

Accession (Primary)	P49715

Synonyms

CCAAT/enhancer-binding protein alpha, C/EBP alpha, CEBPA, CEBP.

Introduction

CCAAT/enhancer binding protein(C/EBP) a is a family of transcription factors that all contain a highly conserved, basic-leucine zipper domain at the C-terminus that is involved in dimerization and DNA binding. C/EBP family of transcription factors regulates viral and cellular CCAAT/enhancer element-mediated transcription. 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. C/EBPs differ significantly in their physiological functions and in their downstream target genes. For example, mice lacking C/EBPa die shortly after birth due to severe hypoglycemia and the absence of glycogen storage in liver, whereas knockout of C/EBPb causes defects in female reproduction.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

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

Stability

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). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

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MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGAG KAKKSVDKNS NEYRVRRERN NIAVRKSRDK AKQRNVETQQ KVLELTSDND RLRKRVEQLS RELDTLRGIF RQLPESSLVKAMGNCA.

Precautions

CEBP Alpha Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49715)