

Datasheet for ABIN666625

CEBPA Protein (AA 270-358) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CEBPA
Protein Characteristics:	AA 270-358
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEBPA protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	CEBP-alpha, (bZIPregion, residues 270-358, His-tag, Human), E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	CEBPA
Alternative Name:	CEBP-alpha (CEBPA Products)
Background:	CCAAT/enhancer binding protein(C/EBP) alpha 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 alpha, beta, gamma,delta, that form homodimers and that form heterodimers

Target Details

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/EBP alpha die shortly after birth due to severe hypoglycemia and the absence of glycogen storage in liver, whereas knockout of C/EBPbeta causes defects in female reproduction. The bZip region of CEBP-alpha (residues 270-358) was produced in E.coli and purified by ion-exchange chromatography and FPLC gel-filtration chromatography. Synonyms: CEBPA, CEBP-alpha bZIPregion residues 270-358, C/EBP alpha, CCAAT/enhancer-binding protein alpha, CAAT/enhancer binding protein a, Apoptotic cysteine protease, Apoptotic protease Mch 5, CAP4, Caspase 8 precursor, CCAAT Enhancer Binding Protein alpha, CEBP, CEBP A, CEBP alpha, FADD homologous ICE/CED 3 like protease, FADD like ICE, FLICE, ICE8, MACH, MCH5, MORT1 associated CED 3 homolog. NCBI no.: NP_004355

Molecular Weight: 14.5kDa (126aa), confirmed by MALDI-TOF.

Pathways: [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

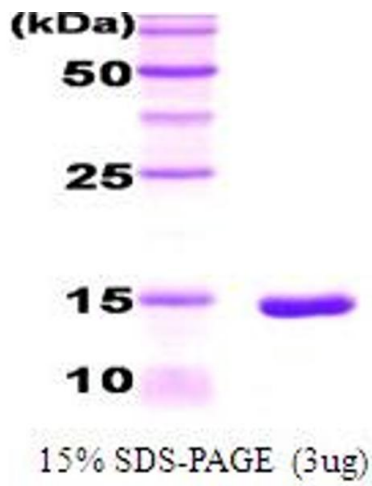
Handling

Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In. 20mM Tris-HCl pH7.5, 0.1M NaCl, 5mM beta-Mercaptoethanol.

Storage: 4 °C



SDS-PAGE

Image 1.