

# PRODUCT DATA SHEET

**COMPLEX**

Complex Biotech Co., Ltd

## CEBPA Recombinant Protein

Catalog: BCP3572

Host: E.coli

Tag:

His-tag;Sumo-Tag

### BackGround:

CCAAT/enhancer-binding proteins (C/EBPs) are a family of transcription factors that are critical for cellular differentiation, terminal function, and inflammatory response. Six members of the family have been characterized (C/EBP $\alpha$ ,  $\beta$ ,  $\delta$ ,  $\gamma$ ,  $\epsilon$ , and  $\zeta$ ) and are distributed in a variety of tissues. Translation from alternative start codons results in two isoforms of C/EBP $\alpha$  (p42 and p30), which are both strong transcriptional activators. It has been reported that insulin and insulin-like growth factor-I stimulate the dephosphorylation of C/EBP $\alpha$ , which may play a key role in insulin-induced repression of GLUT4 transcription. Phosphorylation of C/EBP $\alpha$  at Thr222, Thr226, and Ser230 by GSK-3 seems to be required for adipogenesis.

### Product:

PBS, PH7.4

### Molecular Weight:

~53kDa

### Swiss-Prot:

P49715

### Purification&Purity:

Transferred into competent cells and the supernatant was

purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

### Restriction Sites:

BamHI-XhoI

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Expression Vector:

pSmart-I

### DATA:



### Note:

For research use only, not for use in diagnostic procedure.