

Recombinant Rat Cebpa Protein, His-tagged

Cat. No. Cebpa-735R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cebpa Protein (Ala72-Ala358) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala72-Ala358
Description	This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. The use of alternative in-frame non-AUG (CUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the CUG and the first AUG start codons.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.8 kDa; Accurate Molecular Mass: 38 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Cebpa CCAAT/enhancer binding protein (C/EBP), alpha [Rattus norvegicus]
Official Symbol	Cebpa
Synonyms	CEBPA; CCAAT/enhancer binding protein (C/EBP), alpha; CCAAT/enhancer-binding protein alpha; C/EBP alpha; CCAAT/enhancer binding protein, alpha; CAAT/enhancer-binding protein DNA-binding protein; CAAT/enhancer-binding protein, DNA-binding protein; DBPCEP;
Gene ID	24252
mRNA Refseq	NM_012524
Protein Refseq	NP_036656

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UniProt ID

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