

Recombinant Human CEBPA Protein, GST-Tagged

Cat. No. CEBPA-1100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CEBPA full-length ORF (AAI60133.1, 1 a.a. - 358 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
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. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) 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 GUG and the first AUG start codons. [provided by RefSeq, Dec 2013]
Molecular Mass	65.8 kDa
AA Sequence	MESADFYEAEP RPPMSSHLQSP PHAPSSAAFGFPRGAGPAQPPAPPAAPEPLGGIC EHETSIDISAYIDPAAFNDEFLADLFQHSRQQEKAKAAVGPTGGGGGGDFDYPGAP AGPGGAVMPGGAHGPPPGYGCAAAGYLDGRLEPLYERVGAPALRPLVIKQEPREE DEAKQLALAGLFPYQPPPPPPSHPHPHPPPAHLAAPHLQFQIAHCGQTTMHLQPG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HPTPPPTPVPSHPAPALGAAGLPGPGSALKGLGAAHPDLRASGGSGAGKAKKSV
DKNSNEYRVRRERNNIAVRKSRDKAKQRNVETQQKVLELTSDNDRRLRKRVEQLSRE
LDTLRGIFRQLPESSLVKAMGNCA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CEBPA CCAAT/enhancer binding protein (C/EBP), alpha [Homo sapiens]

Official Symbol

CEBPA

Synonyms

CEBPA; CCAAT/enhancer binding protein (C/EBP), alpha; CEBP; CCAAT/enhancer-binding protein alpha; C/EBP alpha; C/EBP-alpha;

Gene ID

1050

mRNA Refseq

NM_004364

Protein Refseq

NP_004355

MIM

116897

UniProt ID

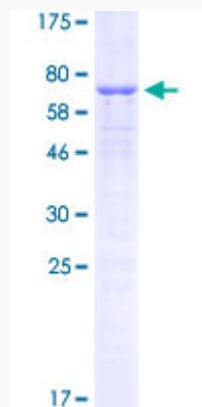
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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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