

Recombinant Full Length Human CEBPA Protein, GST-tagged

Cat. No. CEBPA-3277HF **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	In Vitro Cell Free System
ProteinLength	358 amino acids
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 EHETSIDISAYIDPAAFNDEF LADLFQHSRQQEKAKAAVGPTGGGGGGDFDYPGAP AGPGGAVMPGGAHGPPPGYGCAAAGYLDGRLEPLYERVGAPALRPLVIKQEPREE

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DEAKQLALAGLPYQPPPPPPSHPHPHPPPAHLAAPHLQFQIAHCGQTTMHLQPG
HPTPPPTVPSPHPAPALGAAGLPGPGSALKGLGAAHPDLRASGGSGAGKAKKSV
DKNSNEYRVRERNNIAVRKSRDKAKQRNVETQQKVLELTSDNDRLRKRVEQLSRE
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

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UniProt ID

P49715

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