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	MESADFYEAEPRPPMSSHLQSPPHAPSSAAFGFPRGAGPAQPPAPPAAPEPLGGIC EHETSIDISAYIDPAAFNDEFLADLFQHSRQQEKAKAAVGPTGGGGGGDFDYPGAP AGPGGAVMPGGAHGPPPGYGCAAAGYLDGRLEPLYERVGAPALRPLVIKQEPREE

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	DEAKQLALAGLFPYQPPPPPPPSHPHPHPPPAHLAAPHLQFQIAHCGQTTMHLQPG HPTPPPTPVPSPHPAPALGAAGLPGPGSALKGLGAAHPDLRASGGSGAGKAKKSV DKNSNEYRVRRERNNIAVRKSRDKAKQRNVETQQKVLELTSDNDRLRKRVEQLSRE 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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