

## Product datasheet for SA6043

### CEBPA (bZIP Region, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CEBPA (bZIP Region, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGAG KAKKSVDKNS NEYRVREREN NIAVRKSRDK AKQRNVETQQ KVLELTSND RLRKRVEQLS RELDTRLGIF RQLPESSLVK AMGNCA
Tag:	His-tag
Predicted MW:	15 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl pH 7.5, 0.1 M NaCl, 5 mM $\beta$ -Mercaptoethanol
Preparation:	Liquid purified protein
Protein Description:	The bZip region of CEBP- $\alpha$ (residues 270-358) was produced in E.coli and purified by ion-exchange chromatography and FPLC gel-filtration chromatography.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001272758</a>
Locus ID:	1050
UniProt ID:	<a href="#">P49715</a>
Cytogenetics:	19q13.11
Synonyms:	C/EBP-alpha; CEBP



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**Summary:**

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]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS

**Protein Pathways:**

Acute myeloid leukemia, Pathways in cancer

**Product images:**