

Recombinant Full Length Human CEBPA Protein, N-His-tagged

Cat. No. CEBPA-1586HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CEBPA Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	37.4 kDa
AA Sequence	A DNA sequence encoding human full-length CEBPA.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways	Acute myeloid leukemia, Pathways in cancer
Full Length	Full L.

GENE INFORMATION

Gene Name	CEBPA CCAAT enhancer binding protein alpha [Homo sapiens (human)]
Official Symbol	CEBPA
Synonyms	CEBP; C/EBP-alpha
Gene ID	1050
mRNA Refseq	NM_004364.5
Protein Refseq	NP_004355.2
MIM	116897

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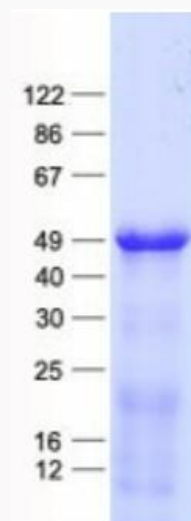
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UniProt ID

P49715

SDS-PAGE

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