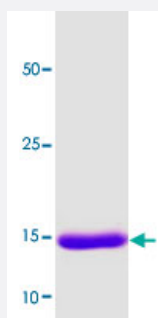


CEBPA (Human) Recombinant Protein

Catalog # P3389 Size 100 ug

Applications



Specification

Product Description	Human CEBPA (NP_004355, 270 a.a. - 358 a.a.) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMGAGKAKKSVDKNSNEYRVREREN NIAVRKSRDKAKQRNVETQQKVLELTSDNDRLRKRVEQLSRELDTLRGIFRQLPESSLVKAMGNC A
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	14.5
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion-exchange chromatography and FPLC gel-filtration chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 7.5 (5 mM beta-Mercaptoethanol).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CEBPA

Entrez GeneID [1050](#)

Protein Accession# [NP_004355](#)

Gene Name CEBPA

Gene Alias C/EBP-alpha, CEBP

Gene Description CCAAT/enhancer binding protein (C/EBP), alpha

Omim ID [116897 601626](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells. [provided by RefSeq]

Other Designations CCAAT/enhancer binding protein alpha

Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
- [Hyperlipidemias](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Peripheral Vascular Diseases](#)
- [Recurrence](#)