

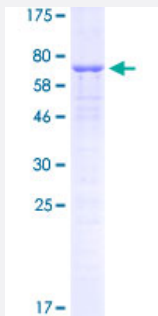
Full-Length

CEBPA (Human) Recombinant Protein (P01)

Catalog # H00001050-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CEBPA full-length ORF (AAI60133.1, 1 a.a. - 358 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MESADFYEAEP RPPMSSHLQSPHPAPSSAAGFPRGAGPAQPPAPPAAPEPLGGICEHETSIDI
SAYIDPAAFNDEF LADLFQHSRQQEKAKAAVGPTGGGGGGDFDYPGAPAGPGGAVMPGGAHG
PPPGYGCAAAGYLDGRLEPLYERVGAPALRPLVIKQEPREDEAKQLALAGLFPYQPPPPPPPS
HPHPHPPPAHLAAPHLQFQIAHCGQTTMHLQPGHPTPPPTVPSPHPAPALGAAGLPGPGSALK
GLGAAHPDLRASGGSGAGKAKKSVDKNSNEYRVRERNNIIVRKS RDKAKQRNVETQQKVLEL
TSDNDRLRKRVEQLSRELDTLRGIFRQLPESSLVKAMGNCA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.8

Interspecies Antigen Sequence

Mouse (92); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CEBPA

Entrez GeneID[1050](#)**GeneBank Accession#**[BC160133.1](#)**Protein Accession#**[AA160133.1](#)**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](#)