

# CEBPB (Human) Recombinant Protein (Q01)

Catalog # H00001051-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CEBPB partial ORF ( NP_005185, 256 a.a. - 344 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	PSQVKSKAKKTVDKHSDEYKIRRERNNIAVRKSRDKAKMRNLETQHKVLELTAENERLQKKVEQL SRELSTLRNLFKQLPEPLLASSGH
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.53
<b>Interspecies Antigen Sequence</b>	Mouse (96); Rat (96)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — CEBPB

Entrez GeneID [1051](#)

GeneBank Accession# [NM\\_005194](#)

Protein Accession# [NP\\_005185](#)

Gene Name CEBPB

Gene Alias C/EBP-beta, CRP2, IL6DBP, LAP, MGC32080, NF-IL6, TCF5

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

Omim ID [189965](#)

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 DNA regulatory regions. It can also form heterodimers with the related proteins CEBP-alpha, CEBP-delta, and CEBP-gamma. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses and has been shown to bind to the IL-1 response element in the IL-6 gene, as well as to regulatory regions of several acute-phase and cytokine genes. In addition, the encoded protein can bind the promoter and upstream element and stimulate the expression of the collagen type I gene. [provided by RefSeq]

**Other Designations** CCAAT/enhancer binding protein beta|interleukin 6-dependent DNA-binding protein|liver-enriched transcriptional activator protein|nuclear factor of interleukin 6|transcription factor 5

## Disease

- [Genetic Predisposition to Disease](#)
- [Obesity](#)