



Recombinant Rat CCAAT/enhancer-binding protein beta (Cebpb)

Product Code	CSB-EP005181RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21272
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MHRLLDWDAALCLPPPPAAFRPMEVANFYYPDCLAYGAKAARAAPRAPAA EPAIGEHERAIDFSPYLEPLAPAAADFAAPAPAHHDFLSDLFADDYGAKP SKKPSDYGIVSLGRAGAKAAPACFP PPPAALKAEPGFEPADCKRADD PAMAAGFPFALRAYLGYQATPSGSSGSLSTSSSSPPGTPSPADAKAAPA ACFAGPPAAPAKAKAKKAVDKLSDEYKMRRERNNAVRKSRDKAKMRNLE TQHKVLELTAENERLQKKVEQLSRELSTLRNLFKQLPEPLLASAGHC
Source	E.coli
Target Names	Cebpb
Protein Names	Recommended name: CCAAT/enhancer-binding protein beta Short name= C/EBP beta Alternative name(s): C/EBP-related protein 2 Interleukin-6-dependent-binding protein Short name= IL-6DBP Liver-enriched transcriptional activator
Expression Region	1-297
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.