Recombinant Human CCAAT/enhancer-binding protein alpha (CEBPA)

Product Code	CSB-BP005180HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49715
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MESADFYEAE PRPPMSSHLQ SPPHAPSSAA FGFPRGAGPA QPPAPPAAPE PLGGICEHET SIDISAYIDP AAFNDEFLAD LFQHSRQQEK AKAAVGPTGG GGGGDFDYPG APAGPGGAVM PGGAHGPPPG YGCAAAGYLD GRLEPLYERV GAPALRPLVI KQEPREEDEA KQLALAGLFP YQPPPPPPPS HPHPHPPPAH LAAPHLQFQI AHCGQTTMHL QPGHPTPPPT PVPSPHPAPA LGAAGLPGPG SALKGLGAAH PDLRASGGSG AGKAKKSVDK NSNEYRVRRE RNNIAVRKSR DKAKQRNVET QQKVLELTSD NDRLRKRVEQ LSRELDTLRG IFRQLPESSL VKAMGNCA
Source	Baculovirus
Target Names	CEBPA
Protein Names	Recommended name: CCAAT/enhancer-binding protein alpha Short name= C/EBP alpha
Expression Region	1-358
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 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.
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.