Recombinant Human Chromobox protein homolog 1 (CBX1)

Product Code	CSB-BP004597HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P83916
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGKKQNKKKV EEVLEEEEEE YVVEKVLDRR VVKGKVEYLL KWKGFSDEDN TWEPEENLDC PDLIAEFLQS QKTAHETDKS EGGKRKADSD SEDKGEESKP KKKKEESEKP RGFARGLEPE RIIGATDSSG ELMFLMKWKN SDEADLVPAK EANVKCPQVV ISFYEERLTW HSYPSEDDDK KDDKN
Source	Baculovirus
Target Names	CBX1
Protein Names	Recommended name: Chromobox protein homolog 1 Alternative name(s): HP1Hsbeta Heterochromatin protein 1 homolog beta Short name= HP1 beta Heterochromatin protein p25 M31 Modifier 1 protein p25beta
Expression Region	1-185
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	This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family . The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified.
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.