

Recombinant Human CBX1 Protein, DDK-tagged

Cat. No. CBX1-2721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CBX1 protein, fused to DDK-tagged at C-terminus, was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	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.
Form	50 mM Tris-HCl, pH 8.0, 100 mM glycine, 10% glycerol
Molecular Mass	21.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	CBX1 chromobox homolog 1 [Homo sapiens]
Official Symbol	CBX1
Synonyms	CBX; HP1-BETA; HP1Hs-beta; HP1Hsbeta; M31; MOD1; p25beta
Gene ID	10951
mRNA Refseq	NM_001127228
Protein Refseq	NP_001120700
MIM	604511
UniProt ID	P83916

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