

Recombinant Full Length Human CBX1 Protein, GST-tagged

Cat. No. CBX1-2778HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CBX1 full-length ORF (NP_006798.1, 1 a.a. - 185 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	185 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	47.8 kDa
AA Sequence	MGKKQNKKKVVEEVLEEEEEYYVEKVLDRRVVKGKVEYLLKWKGFSDEDNTWEPE ENLDCPDLIAEFLQSQKTAHETDKSEGGKRKADSDSEDKGEESKPKKKKEESEKPR GFARGLEPERIIGATDSSGELMFLMKWKNSDEADLVPAKEANVKCPQVVISFYEERL

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TWHSYPSEDDDKKDDKN

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CBX1 chromobox homolog 1 [Homo sapiens]

Official Symbol

CBX1

Synonyms

CBX1; chromobox homolog 1; chromobox homolog 1 (Drosophila HP1 beta); chromobox protein homolog 1; CBX; HP1 beta homolog (Drosophila); HP1 BETA; HP1Hs beta; M31; MOD1; HP1 beta homolog; modifier 1 protein; heterochromatin protein 1-beta; heterochromatin protein p25 beta; heterochromatin protein 1 homolog beta; chromobox homolog 1 (HP1 beta homolog Drosophila); p25beta; HP1-BETA; HP1Hsbeta; HP1Hs-beta;

Gene ID

10951

mRNA Refseq

NM_001127228

Protein Refseq

NP_001120700

MIM

604511

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UniProt ID

P83916

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