

## Product datasheet for **TP710371**

### **CBX1 (NM\_006807) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of human chromobox homolog 1 (CBX1), transcript variant 1, full length, with C-terminal DDK tag, expressed in sf9, 20ug
<b>Species:</b>	Human
<b>Expression Host:</b>	Sf9
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence from TrueORF clone, RC205672, encoding human full-length CBX1
<b>Tag:</b>	C-DDK
<b>Predicted MW:</b>	21.2 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006798</a>
<b>Locus ID:</b>	10951
<b>UniProt ID:</b>	<a href="#">P83916</a> , <a href="#">Q6IBN6</a>
<b>RefSeq Size:</b>	2443
<b>Cytogenetics:</b>	17q21.32
<b>RefSeq ORF:</b>	555
<b>Synonyms:</b>	CBX; HP1-BETA; HP1Hs-beta; HP1Hsbeta; M31; MOD1; p25beta



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**Summary:**

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]

**Product images:**