

## 32-3426: CBX1 Recombinant Protein

**Alternative Name :** Chromobox homolog 1,CBX,M31,HP1-BETA,HP1Hs-beta,MOD1,Heterochromatin protein 1 homolog beta,Modifier 1 protein,p25beta,Chromobox homolog 1 (Drosophila HP1 beta),Heterochromatin protein p25.

### Description

Source : Escherichia Coli. CBX1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-185) and having a molecular mass of 23.6kDa (molecular weight on SDS-PAGE will appear higher).The CBX1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. CBX1 is an enriched heterochromatin which belongs to the heterochromatin protein family. The centromeres related CBX1 identifies and binds histone H3 tails methylated at 'Lys-9', causing epigenetic repression. Collaboration with lamin B receptor (LBR) can impact the relations between the heterochromatin and the inner nuclear membrane. CBX1 has a vital part in the epigenetic control of chromatin structure and gene expression.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** CBX1 protein 1mg/ml is supplied in 20mM Tris-HCl, pH-8, 0.1M NaCl, 2mM DTT and 20% Glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGKKQNKKKV EEVLEEEEE YVVEKVLDRR VVKGKVEYLL  
KWKGFSDEDN TWEPEENLDC PDLIAEFLQS QKTAHETDKS EGGKRKADSD SEDKGEESKP KKKKEESEKP  
RGFARGLEPE RIIGATDSSG ELMFLMKWKN SDEADLVPK EANVKCPQVV ISFYEERLTW HSYPSEDDDK  
KDDKN

