9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CBX1 Human

Chromobox Homolog 1 Human Recombinant
RCP0345

Product Overview

Name	CBX1 Human
Description	
Chromobox Homolog 1 Human Recombinant	
Accession (Primary)	P83916
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
CBX1 is supplied as a sterile filtered clear solution.	
Formulation	
CBX1 protein 1mg/ml is supplied in 20mM Tris-HCl, pH-8, 0.1M NaCl, 2mM DTT and 20% Glycerol.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGKKQNKKKV EEVLEEEEEE YVVEKVLDRR VVKGKVEYLL KWKGFSDEDN TWEPEENLDC PDLIAEFLQS QKTAHETDKS EGGKRKADSD SEDKGEESKP KKKKEESEKP RGFARGLEPE RIIGATDSSG ELMFLMKWKN SDEADLVPAK EANVKCPQVV ISFYEERLTW HSYPSEDDDK KDDKN	
Precautions	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CBX1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P83916)