

## Recombinant Human CBX7 Protein (1-251 aa), His-tagged

**Cat. No.** CBX7-1353H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CBX7 Protein (1-251 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	1-251 aa
<b>Description</b>	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Promotes histone H3 trimethylation at 'Lys-9' (H3K9me3). Binds to trimethylated lysine residues in histones, and possibly also other proteins. Regulator of cellular lifespan by maintaining the repression of CDKN2A, but not by inducing telomerase activity.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	30.3 kDa
<b>AA Sequence</b>	MELSAIGEQVFAVESIRKKRVRKGGKVEYLVKWKGWPPKYSTWEPEEHILDPRLVMA

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YEEKEERDRASGYRKRGP KPKRLLLQRLYSMDLRSSHKAKGKEKLCFSLTCPLGSG  
 SPEGVVKAGAPELVDKGPLVPTLPFPLRKPRAHKYLRLSRKKFPPRGP NLESHSH  
 RRELFLQEPPAPDVLQAAGEWEPAAQPPEEEADADLAEGPPPWTPALPSSEVTVTD  
 ITANSITVTFREAQAAEGFFRDRSGKF

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** CBX7 chromobox homolog 7 [ Homo sapiens ]

**Official Symbol** CBX7

**Synonyms** CBX7; chromobox homolog 7;

**Gene ID** 23492

**mRNA Refseq** NM\_175709

**Protein Refseq** NP\_783640

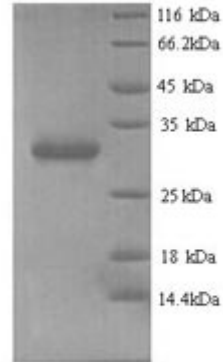
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 608457

UniProt ID O95931



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA