

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Yeast
ProteinLength	1-251 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	30.3 kDa
AA Sequence	MELSAIGEQVFVESIRKKRVRKKGKVEYLVKWKGWPPKYSTWEPEEHILDPRLVMA

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YEEKEERDRASGYRKRGPKPKRLLLQRLYSMDLRSSHKAKGKEKLCFSLTCPLGSG
 SPEGVVKAGAPELVDKGPLVPTLPFPLRKPRKAHKYLRLSRKKFPPRGPNLESHSH
 RRELFLQEPPAPDVLQAAGEWEPAAPPEEEADADLAEGPPPWTPALPSSEVTVD
 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

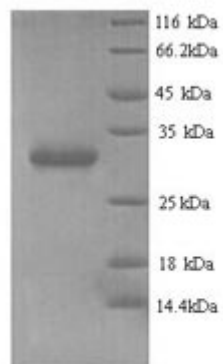
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MIM 608457

UniProt ID O95931



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

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