

Recombinant Human chromobox 8 Protein, His tagged

Cat. No. CBX8-200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CBX8 protein (Q9HC52) (Ala 83-Lys 360) with a His tag at the C-terminus was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	83-360aa
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. The human orthologous proteins of Drosophila Polycomb group protein Pc, CBX2, CBX4, CBX6, CBX7 and CBX8, show distinct nuclear localizations, contribute differently to transcriptional repression, and appear to be part of distinct PRC1-like protein complexes.
Tag	C-His
Molecular Mass	32 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION

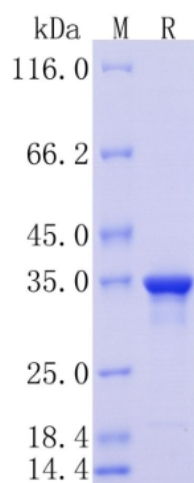
Gene Name	CBX8 chromobox 8 [Homo sapiens (human)]
Official Symbol	CBX8
Synonyms	CBX8; chromobox homolog 8; chromobox homolog 8 (Drosophila Pc class); chromobox protein homolog 8; HPC3; Pc class 3 homolog (Drosophila); PC3; polycomb 3; RC1; rectachrome 1; Pc class 3 homolog; chromobox homolog 8 (Pc class homolog, Drosophila);
Gene ID	57332
mRNA Refseq	NM_020649
Protein Refseq	NP_065700
MIM	617354
UniProt ID	Q9HC52

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**Protein on SDS-
PAGE under
reducing (R)
condition.**



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