

Recombinant Human CBX4 293 Cell Lysate

Cat. No. CBX4-7803HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for chromobox homolog 4 (Pc class homolog, Drosophila) (CBX4) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CBX4 chromobox homolog 4 [Homo sapiens]

Official Symbol

CBX4

Synonyms

CBX4; chromobox homolog 4; chromobox homolog 4 (Drosophila Pc class); E3 SUMO-protein ligase CBX4; hPC2; NBP16; NS5ATP1 binding protein 16; Pc class 2 homolog (Drosophila); PC2; Pc class 2 homolog; polycomb 2 homolog; NS5ATP1-binding protein 16; chromobox protein homolog 4; chromobox homolog 4 (Pc class homolog, Drosophila);

Gene ID

8535

mRNA Refseq

NM_003655

Protein Refseq

NP_003646

MIM

603079

UniProt ID

O00257

**Chromosome
Location**

17q25.3

Pathway

C-MYB transcription factor network, organism-specific biosystem; Regulation of retinoblastoma protein, organism-specific biosystem;

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Function

chromatin binding; enzyme binding; methylated histone residue binding;
phosphoprotein binding; protein binding; single-stranded RNA binding; transcription
corepressor activity;

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