

Recombinant Human CBX3 293 Cell Lysate

Cat. No. CBX3-7805HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for chromobox homolog 3 (HP1 gamma homolog, Drosophila) (CBX3), transcript variant 1 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

CBX3 chromobox homolog 3 [Homo sapiens]

Official Symbol

CBX3

Synonyms

CBX3; chromobox homolog 3; chromobox homolog 3 (Drosophila HP1 gamma); chromobox protein homolog 3; HP1 gamma homolog (Drosophila); HP1Hs gamma; HP1 gamma homolog; modifier 2 protein; heterochromatin-like protein 1; heterochromatin protein HP1 gamma; heterochromatin protein 1 homolog gamma; chromobox homolog 3 (HP1 gamma homolog, Drosophila); HECH; HP1-GAMMA; HP1Hs-gamma;

Gene ID

11335

mRNA Refseq

NM_007276

Protein Refseq

NP_009207

MIM

604477

UniProt ID

Q13185

**Chromosome
Location**

7p15.2

Pathway

Diurnally regulated genes with circadian orthologs, organism-specific biosystem;

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Gene Expression, organism-specific biosystem; RNA Polymerase I Chain Elongation, organism-specific biosystem; RNA Polymerase I Transcription, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem;

Function

enzyme binding; identical protein binding; protein binding; protein domain specific binding;

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