

Recombinant Full Length Human CBX3 Protein, GST-tagged

Cat. No. CBX3-623HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CBX3(1 a.a. - 183 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	183 amino acids
Description	At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	45.87 kDa
AA Sequence	MASNKTTLQK MGKKQNGKSK KVEEAPEEF VVEKVLDRRV VNGKVEYFLK WKGFTDADNT WEPEENLDCP ELIEAFLNSQ KAGKEKDGTK RKSLSDSESD

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DSKSKKKRDA ADKPRGFARG LDPERIIGAT DSSGELMLLM KWKDSDEADL
VLAKEANMKC PQIVIAFYEE RLTWHSCPED EAQ

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

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