

Recombinant Human CBX5 Protein, GST-Tagged

Cat. No. CBX5-0483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CBX5 full-length ORF (AAH06821, 1 a.a. - 191 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]
Molecular Mass	46.75 kDa
AA Sequence	MGKTKRTADSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGFSSEHNTWEPEK NLDCPELISEFMKKYKKMKEGENNKPRESSESNNRKSNNFSNSADDIKSKKKREQSN DIARGFERGLEPEKIIGATDSCGDLMLMKWKDTEADLVLAKEANVKCPQIVIAFYE ERLTWHAYPEDAENKEKETAKS

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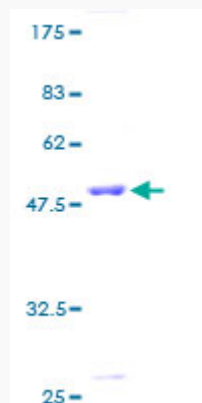
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CBX5 chromobox homolog 5 [Homo sapiens]
Official Symbol	CBX5
Synonyms	CBX5; chromobox homolog 5; chromobox homolog 5 (Drosophila HP1 alpha), chromobox homolog 5 (HP1 alpha homolog, Drosophila); chromobox protein homolog 5; HP1; HP1 alpha homolog (Drosophila); HP1 ALPHA; HP1Hs alpha; HP1-ALPHA; antigen p25; HP1 alpha homolog; heterochromatin protein 1-alpha; heterochromatin protein 1 homolog alpha; chromobox homolog 5 (HP1 alpha homolog, Drosophila); HP1A;
Gene ID	23468
mRNA Refseq	NM_001127321
Protein Refseq	NP_001120793
MIM	604478
UniProt ID	P45973

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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