

Recombinant Full Length Human CBX5 Protein, C-Flag-tagged

Cat. No. CBX5-2036HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CBX5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	22 kDa
AA Sequence	MGKKTkRTADSSSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGfSEEhNTWEPEK NLDCPELISEFMKKY KMKKEGEnNKPREKSESnkRKSnfSNSADDIKSKKKREqSN DIARGFERGLEPEKIIGATDSCGDLmFLM KWKDTDEADLVLAKEANVKCPQIVIAFYE

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CBX5 chromobox 5 [Homo sapiens (human)]
Official Symbol	CBX5
Synonyms	HP1; HP1A; HEL25
Gene ID	23468
mRNA Refseq	NM_012117.3
Protein Refseq	NP_036249.1
MIM	604478

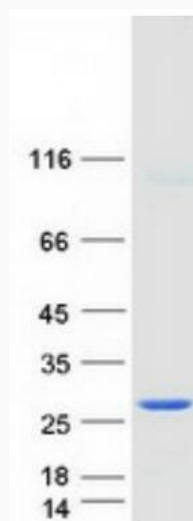
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UniProt ID

P45973



Coomassie blue staining of purified CBX5 protein.

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