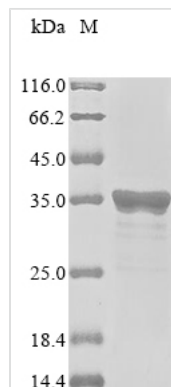




# Recombinant Human Chromobox protein homolog 5 (CBX5)

<b>Product Code</b>	CSB-EP004601HU
<b>Abbreviation</b>	Recombinant Human CBX5 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P45973
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MGKKTkRTADSSSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGfSEEhNTW EPEKNLDCPELISEfMKKYKKMKEGEnNKPREKSESnKRKSNfSNSADDIKSK KKREQSNDIARGFERGLEPEKIIGATDSCGDLmFLMKWKDTDEADLVLAKEAN VKCPQIVIAfYEERLTWHAYPEDAENKEKETAKS
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	CBX5
<b>Protein Names</b>	Recommended name: Chromobox protein homolog 5 Alternative name(s): Antigen p25 Heterochromatin protein 1 homolog alpha Short name= HP1 alpha
<b>Expression Region</b>	1-191aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	29.7 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

The process for recombinant Human CBX5 protein synthesis in e.coli cells includes recombining the DNA fragment that encodes the Human CBX5 protein (1-191aa) into expression vector, transforming the recombinant vector into e.coli cells, screening positive cells, cultivating and inducing cells, conducting cell lysis, and performing expression analysis. The resulting recombinant Human CBX5 protein is purified from the cell lysate using affinity purification, with its purity exceeding 85% as determined by SDS-PAGE.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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