

Datasheet for ABIN7552926
CBX7 Protein (AA 1-251) (His tag)



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Overview

Quantity:	1 mg
Target:	CBX7
Protein Characteristics:	AA 1-251
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBX7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CBX7 Protein expressed in mammalian cells.
Sequence:	<p>MELSAIGEQV FAVESIRKKR VRKGKVEYLV KWKGWPPKYS TWEPEEHILD PRLVMAYEEK EERDRASGYR KRGPKPKRLL LQRLYSMDLR SSHKAKGKEK LCFSLTCPLG SGSPEGVVKA GAPELVDKGP LVPTLPFPLR KPRKAHKYLR LSRKKFPPRG PNLESHSHRR ELFLQEPPAP DVLQAAGEWE PAAQPPEEEA DADLAEGPPP WTPALPSSEV TVTDITANSI TVTFREAQAA EGFFRDRSGK F Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: CBX7

Alternative Name: CBX7 ([CBX7 Products](#))

Background: Chromobox protein homolog 7,FUNCTION: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones, it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Promotes histone H3 trimethylation at 'Lys-9' (H3K9me3). Binds to trimethylated lysine residues in histones, and possibly also other proteins. Regulator of cellular lifespan by maintaining the repression of CDKN2A, but not by inducing telomerase activity. {ECO:0000269|PubMed:19636380, ECO:0000269|PubMed:21047797, ECO:0000269|PubMed:21060834, ECO:0000269|PubMed:21282530}.

Molecular Weight: 28.3 kDa

UniProt: [O95931](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

	guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months