

Recombinant Human Chromobox protein homolog 7(CBX7)

Catalog No: #AP70125

Package Size: #AP70125-1 20ug #AP70125-2 100ug #AP70125-3 1mg

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Description

Product Name	Recombinant Human Chromobox protein homolog 7(CBX7)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-251aaSequence Info:Full Length
Accession No.	O95931
Calculated MW	32.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MELSAIGEQVFAVESIRKKRVKKGVEYLVKWKGWPPKYSTWEPEEHILDPRLMAYEEKEERDRASGYRKR GPKPKRLLLQRLYSMDLRSSHAKGKEKLCFSLTCPLGSGSPEGVVKAGAPELVDKGPLVPTLPFPLRKPRKA HKYLRLSRKKFPPRGNLESHSHRRELFLQEPPAPDVLQAAGEWEPAAPPEEEADADLAEGPPPWTALPS SEVTVDITANSITVTFREAQAAEGFFRDRSGKF
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Recognition and specificity determinants of the human cbx chromodomains.Kaustov L., Ouyang H., Amaya M., Lemak A., Nady N., Duan S., Wasney G.A., Li Z., Vedadi M., Schapira M., Min J., Arrowsmith C.H.J. Biol. Chem. 286:521-529(2011) Research Topic:Transcription

Note: This product is for in vitro research use only and is not intended for use in humans or animals.