

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 13, 2026

GFP-HP1beta

RRID:Addgene_17651

Type: Plasmid

Proper Citation

RRID:Addgene_17651

Plasmid Information

URL: <http://www.addgene.org/17651>

Proper Citation: RRID:Addgene_17651

Insert Name: HP1 beta

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12560555](#)

Vector Backbone Description: Backbone Marker:Zentgraf Lab; Backbone Size:0; Vector Backbone:pBCHGN; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: See author's map for more information.

Plasmid Name: GFP-HP1beta

Record Creation Time: 20220422T222019+0000

Record Last Update: 20260808T081306+0000

Ratings and Alerts

No rating or validation information has been found for GFP-HP1beta.

No alerts have been found for GFP-HP1beta.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Rico T, et al. (2021) Tau Stabilizes Chromatin Compaction. *Frontiers in cell and developmental biology*, 9, 740550.

Legartová S, et al. (2019) DNA Damage Changes Distribution Pattern and Levels of HP1 Protein Isoforms in the Nucleolus and Increases Phosphorylation of HP1 γ -Ser88. *Cells*, 8(9).

Bártová E, et al. (2018) Depletion of A-type lamins and Lap2 γ reduces 53BP1 accumulation at UV-induced DNA lesions and Lap2 γ protein is responsible for compactness of irradiated chromatin. *Journal of cellular biochemistry*, 119(10), 8146.

Arbach HE, et al. (2018) Extreme nuclear branching in healthy epidermal cells of the *Xenopus* tail fin. *Journal of cell science*, 131(18).

Sehnalová P, et al. (2014) Recruitment of HP1 γ to UVA-induced DNA lesions is independent of radiation-induced changes in A-type lamins. *Biology of the cell*, 106(5), 151.

Sorokin DV, et al. (2014) Visualizing stable features in live cell nucleus for evaluation of the cell global motion compensation. *Folia biologica*, 60 Suppl 1, 45.

Foltánková V, et al. (2013) DNA-damage response in chromatin of ribosomal genes and the surrounding genome. *Gene*, 522(2), 156.

Orlova DY, et al. (2012) Arrangement of nuclear structures is not transmitted through mitosis but is identical in sister cells. *Journal of cellular biochemistry*, 113(11), 3313.