

Resource Summary Report

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H2B-mCherry

RRID:Addgene_20972

Type: Plasmid

Proper Citation

RRID:Addgene_20972

Plasmid Information

URL: <http://www.addgene.org/20972>

Proper Citation: RRID:Addgene_20972

Insert Name: Histone cluster 1, H2bb

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19896442](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The accession number for H2B.1 sequence X57127 was obtained from Fraser et al., 2005 (<https://doi.org/10.1002/gene.20139>). The actual DNA was PCR amplified from HEK293 genomic DNA then cloned into pEGFP-N1 as described in Kanda et al., 1998 ([https://doi.org/10.1016/s0960-9822\(98\)70156-3](https://doi.org/10.1016/s0960-9822(98)70156-3)). That H2B.1-EGFP construct was used as template to synthesize the construct here. An EcoRI site in the H2B.1 sequence was silently mutated. The mCherry cDNA was obtained from Dr. Roger Tsien.

Plasmid Name: H2B-mCherry

Ratings and Alerts

No rating or validation information has been found for H2B-mCherry.

No alerts have been found for H2B-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Mihalas BP, et al. (2024) Age-dependent loss of cohesion protection in human oocytes. *Current biology : CB*, 34(1), 117.

Verma N, et al. (2024) Genome scale CRISPR screens identify actin capping proteins as key modulators of therapeutic responses to radiation and immunotherapy. *bioRxiv : the preprint server for biology*.

Wu Z, et al. (2023) Pericyte stem cells induce Ly6G+ cell accumulation and immunotherapy resistance in pancreatic cancer. *EMBO reports*, 24(4), e56524.

Chatterjee S, et al. (2023) Therapeutic gene silencing of CKAP5 leads to lethality in genetically unstable cancer cells. *Science advances*, 9(14), eade4800.

Soto-Gamez A, et al. (2022) Enhanced extrinsic apoptosis of therapy-induced senescent cancer cells using a death receptor 5 (DR5) selective agonist. *Cancer letters*, 525, 67.

Markaki Y, et al. (2021) Xist nucleates local protein gradients to propagate silencing across the X chromosome. *Cell*, 184(25), 6174.

Trushko A, et al. (2020) Buckling of an Epithelium Growing under Spherical Confinement. *Developmental cell*, 54(5), 655.

Odle RI, et al. (2020) An mTORC1-to-CDK1 Switch Maintains Autophagy Suppression during Mitosis. *Molecular cell*, 77(2), 228.

Dimitracopoulos A, et al. (2020) Mechanochemical Crosstalk Produces Cell-Intrinsic Patterning of the Cortex to Orient the Mitotic Spindle. *Current biology : CB*, 30(18), 3687.

Sampattavanich S, et al. (2018) Encoding Growth Factor Identity in the Temporal Dynamics of FOXO3 under the Combinatorial Control of ERK and AKT Kinases. *Cell systems*, 6(6), 664.