

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

B23(NPM)

RRID:Addgene_34553

Type: Plasmid

Proper Citation

RRID:Addgene_34553

Plasmid Information

URL: <http://www.addgene.org/34553>

Proper Citation: RRID:Addgene_34553

Insert Name: B23/nucleophosmin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19015314](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4600; Vector Backbone:pCMV-DsRed-Express; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Addgene quality control sequencing found an A123V point mutation, which, according to the depositing lab, should not alter the plasmid's function.

Plasmid Name: B23(NPM)

Record Creation Time: 20220422T222147+0000

Record Last Update: 20260815T081353+0000

Ratings and Alerts

No rating or validation information has been found for B23(NPM).

No alerts have been found for B23(NPM).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Kova? A, et al. (2023) Sleeping Beauty Transposon Insertions into Nucleolar DNA by an Engineered Transposase Localized in the Nucleolus. International journal of molecular sciences, 24(19).

Miyagi T, et al. (2022) The Patterning and Proportion of Charged Residues in the Arginine-Rich Mixed-Charge Domain Determine the Membrane-Less Organelle Targeted by the Protein. International journal of molecular sciences, 23(14).

Constantin D, et al. (2022) APOBEC3C, a nucleolar protein induced by genotoxins, is excluded from DNA damage sites. The FEBS journal, 289(3), 808.

Caragine CM, et al. (2019) Nucleolar dynamics and interactions with nucleoplasm in living cells. eLife, 8.

Ando K, et al. (2017) NPM1 directs PIDDosome-dependent caspase-2 activation in the nucleolus. The Journal of cell biology, 216(6), 1795.

Hernández-Ibarra JA, et al. (2015) Localization of ?-Dystrobrevin in Cajal Bodies and Nucleoli: A New Role for ?-Dystrobrevin in the Structure/Stability of the Nucleolus. Journal of cellular biochemistry, 116(12), 2755.

Dattoli AA, et al. (2015) Domain analysis of the Nematostella vectensis SNAIL ortholog reveals unique nucleolar localization that depends on the zinc-finger domains. Scientific reports, 5, 12147.