

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

[pGEM-3z/603](#)

RRID:Addgene_26658

Type: Plasmid

Proper Citation

RRID:Addgene_26658

Plasmid Information

URL: <http://www.addgene.org/26658>

Proper Citation: RRID:Addgene_26658

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9514715](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:2743; Vector Backbone:pGEM-3Z; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid contains a 147 bp nucleosome positioning sequence and is referred to as clone"603". Please note that there may be discrepancies between Addgene's sequencing results and the depositor's sequence. Potential discrepancies are not a concern according to the depositing scientist because the clones were selected for their ability to bind to histone octamer, not for their specific sequence.

Plasmid Name: pGEM-3z/603

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260725T074510+0000

Ratings and Alerts

No rating or validation information has been found for pGEM-3z/603.

No alerts have been found for pGEM-3z/603.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Kutuzov M, et al. (2025) HPF1 Regulates Pol ?? Efficiency in Nucleosomes via the Modulation of Total Poly(ADP-Ribose) Synthesis. International journal of molecular sciences, 26(5).

Taglini F, et al. (2024) DNMT3B PWWP mutations cause hypermethylation of heterochromatin. EMBO reports, 25(3), 1130.

Kurgina TA, et al. (2022) The HPF1-dependent histone PARylation catalyzed by PARP2 is specifically stimulated by an incised AP site-containing BER DNA intermediate. DNA repair, 120, 103423.

Kurgina TA, et al. (2021) Dual function of HPF1 in the modulation of PARP1 and PARP2 activities. Communications biology, 4(1), 1259.