

Resource Summary Report

Generated by [nidm-terms](#) on Aug 10, 2026

pBT140

RRID:Addgene_27493

Type: Plasmid

Proper Citation

RRID:Addgene_27493

Plasmid Information

URL: <http://www.addgene.org/27493>

Proper Citation: RRID:Addgene_27493

Insert Name: Nuclear localization signal-Cre

Organism: P1 bacteriophage

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21179085](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4200; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Although the kanamycin resistance marker is present in the full plasmid sequence, the depositing lab has never used Kan or Kan/Amp selection for this plasmid. In Addgene's experience, the kanamycin resistance is not functional. According to the Luo lab, the function of this plasmid is not affected.

Plasmid Name: pBT140

Record Creation Time: 20220422T222123+0000

Record Last Update: 20260808T081504+0000

Ratings and Alerts

No rating or validation information has been found for pBT140.

No alerts have been found for pBT140.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kolakada D, et al. (2025) Systematic analysis of nonsense variants uncovers peptide release rate as a novel modifier of nonsense-mediated mRNA decay. *Cell genomics*, 5(7), 100882.

Lo HG, et al. (2025) Quantification of subcellular RNA localization through direct detection of RNA oxidation. *Nucleic acids research*, 53(5).

Kolakada D, et al. (2024) Peptidyl-tRNA hydrolysis rate influences the efficiency of nonsense-mediated mRNA decay. *bioRxiv : the preprint server for biology*.

Goering R, et al. (2023) RNA localization mechanisms transcend cell morphology. *eLife*, 12.

Engel KL, et al. (2022) Analysis of subcellular transcriptomes by RNA proximity labeling with Halo-seq. *Nucleic acids research*, 50(4), e24.