Resource Summary Report

Generated by RRID on Aug 24, 2026

pBMN-Z

RRID:Addgene_1734
Type: Plasmid

Proper Citation

RRID:Addgene_1734

Plasmid Information

URL: http://www.addgene.org/1734

Proper Citation: RRID:Addgene_1734

Insert Name: LacZ

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Nolan Lab; Backbone Size:8396; Vector Backbone:pBMN; Vector Types:Retroviral; Bacterial Resistance:Ampicillin

Comments: This is Nolan lab's standard retrovirus vector backbone that expresses lacZ. Most of the other library vectors and IRES constructs are based on this expression vector. A variant comes with GFP in place of the lacZ gene (see pBMN-I-GFP). Please note that there are some minor differences between Addgene's quality control sequence (see sequence with the pLXSN-5 primer) and the assembled sequence from the Nolan lab. See the following reference for further information: digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1008&context=chemistrycerny

Plasmid Name: pBMN-Z

Record Creation Time: 20220422T222004+0000

Record Last Update: 20260815T081031+0000

Ratings and Alerts

No rating or validation information has been found for pBMN-Z.

No alerts have been found for pBMN-Z.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Bezawork-Geleta A, et al. (2025) Proximity proteomics reveals a mechanism of fatty acid transfer at lipid droplet-mitochondria- endoplasmic reticulum contact sites. Nature communications, 16(1), 2135.

Zimmermann JA, et al. (2024) Functional multi-organelle units control inflammatory lipid metabolism of macrophages. Nature cell biology, 26(8), 1261.

Kamerkar SC, et al. (2018) Dynamin-related protein 1 has membrane constricting and severing abilities sufficient for mitochondrial and peroxisomal fission. Nature communications, 9(1), 5239.

Yamano K, et al. (2018) Endosomal Rab cycles regulate Parkin-mediated mitophagy. eLife, 7.

Stroud DA, et al. (2016) Accessory subunits are integral for assembly and function of human mitochondrial complex I. Nature, 538(7623), 123.

Yamano K, et al. (2014) Mitochondrial Rab GAPs govern autophagosome biogenesis during mitophagy. eLife, 3, e01612.