

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pABpuro-BluF

RRID:Addgene_46824

Type: Plasmid

Proper Citation

RRID:Addgene_46824

Plasmid Information

URL: <http://www.addgene.org/46824>

Proper Citation: RRID:Addgene_46824

Insert Name: Bmal1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16167846](#)

Vector Backbone Description: Backbone Marker:Addgene plasmid 12254; Vector Backbone:pWPI; Vector Types:Mammalian Expression, Lentiviral, Luciferase; Bacterial Resistance:Ampicillin

Comments: The insert consists of 1 kb of mouse Bmal1 upstream region and 53 nucleotides of exon 1, fused in-frame to the luciferase coding region, and followed by 1 kb of Bmal1 3'UTR.

Plasmid Name: pABpuro-BluF

Record Creation Time: 20220422T222241+0000

Record Last Update: 20260815T081535+0000

Ratings and Alerts

No rating or validation information has been found for pABpuro-BluF.

No alerts have been found for pABpuro-BluF.

Data and Source Information

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Van Loh BM, et al. (2026) The Transcription Factors Six3 and Six6 in Neuromedin-S Neurons Differentially Affect Circadian Rhythms. *Journal of neuroscience research*, 104(4), e70123.

Borrmann H, et al. (2023) Molecular components of the circadian clock regulate HIV-1 replication. *iScience*, 26(7), 107007.

Van Loh BM, et al. (2023) The transcription factor VAX1 in VIP neurons of the suprachiasmatic nucleus impacts circadian rhythm generation, depressive-like behavior, and the reproductive axis in a sex-specific manner in mice. *Frontiers in endocrinology*, 14, 1269672.

Borrmann H, et al. (2023) Inhibition of salt inducible kinases reduces rhythmic HIV-1 replication and reactivation from latency. *The Journal of general virology*, 104(8).

Park M, et al. (2022) Methods for Assessing Circadian Rhythms and Cell Cycle in Intestinal Enteroids. *Methods in molecular biology* (Clifton, N.J.), 2482, 105.

Ungefroren H, et al. (2022) The Quasimesenchymal Pancreatic Ductal Epithelial Cell Line PANC-1-A Useful Model to Study Clonal Heterogeneity and EMT Subtype Shifting. *Cancers*, 14(9).

Meadows JD, et al. (2022) Deletion of Six3 in post-proliferative neurons produces weakened SCN circadian output, improved metabolic function, and dwarfism in male mice. *Molecular metabolism*, 57, 101431.

Weissová K, et al. (2022) LuminoCell: a versatile and affordable platform for real-time monitoring of luciferase-based reporters. *Life science alliance*, 5(8).

Javeed N, et al. (2021) Proinflammatory Cytokine Interleukin 1 β Disrupts β -cell Circadian Clock Function and Regulation of Insulin Secretion. *Endocrinology*, 162(1).

Sanghani HR, et al. (2021) Patient fibroblast circadian rhythms predict lithium sensitivity in bipolar disorder. *Molecular psychiatry*, 26(9), 5252.

Zhuang X, et al. (2021) The circadian clock component BMAL1 regulates SARS-CoV-2 entry and replication in lung epithelial cells. *iScience*, 24(10), 103144.

Blaževič O, et al. (2020) MYC-Associated Factor MAX is a Regulator of the Circadian Clock. *International journal of molecular sciences*, 21(7).

Lin HH, et al. (2019) Analyses of BMAL1 and PER2 Oscillations in a Model of Breast Cancer Progression Reveal Changes With Malignancy. *Integrative cancer therapies*, 18,

1534735419836494.

Breit A, et al. (2018) Insulin-like growth factor-1 acts as a zeitgeber on hypothalamic circadian clock gene expression via glycogen synthase kinase-3 β signaling. *The Journal of biological chemistry*, 293(44), 17278.

Schmitt K, et al. (2018) Circadian Control of DRP1 Activity Regulates Mitochondrial Dynamics and Bioenergetics. *Cell metabolism*, 27(3), 657.

Rivera-Reyes A, et al. (2018) YAP1 enhances NF- κ B-dependent and independent effects on clock-mediated unfolded protein responses and autophagy in sarcoma. *Cell death & disease*, 9(11), 1108.

Bu Y, et al. (2018) A PERK-miR-211 axis suppresses circadian regulators and protein synthesis to promote cancer cell survival. *Nature cell biology*, 20(1), 104.