

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pLV6-mPER2-luc

RRID:Addgene_212035

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/212035>

Proper Citation: RRID:Addgene_212035

Insert Name: mPer2-luciferase

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:39370744](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:6339; Vector Backbone:pLenti6; Vector Types:Mammalian Expression, Lentiviral, Luciferase; Bacterial Resistance:Ampicillin

Comments: The insert (mPer-luciferase) derived from the pGL3 basic E2 vector (Plasmid #48747, a gift from Joseph Takahashi). The pLV6 backbone derived from the pLV6-Bmal-luc vector (Plasmid #68833, a gift from Steven Brown). The pLV6-Bmal-luc vector contains one BamHI cutting site 3' of the Bmal1-luciferase insert. Site-directed mutagenesis was used to create an additional BamHI cutting site 5' of the insert. The mPer2-luc insert of the pGL3-Per2-luc vector is by default flanked by BamHI cutting sites. After successful digestions and extractions, the pLV6 backbone and the mPer2-luc fragment were ligated with T4 DNA ligase, hence obtaining the pLV6-mPer2-luc vector.

Plasmid Name: pLV6-mPER2-luc

Record Creation Time: 20241221T120747+0000

Record Last Update: 20260815T083133+0000

Ratings and Alerts

No rating or validation information has been found for pLV6-mPER2-luc.

No alerts have been found for pLV6-mPER2-luc.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.