

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

pTH751-CEN-RLuc/min53maxCFLuc

RRID:Addgene_38217

Type: Plasmid

Proper Citation

RRID:Addgene_38217

Plasmid Information

URL: <http://www.addgene.org/38217>

Proper Citation: RRID:Addgene_38217

Insert Name: Firefly Luciferase

Organism: Photinus pyralis

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24357599](#)

Vector Backbone Description: Backbone Size:6616; Vector Backbone:pCENBEVY-U; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTH751-CEN-RLuc/min53maxCFLuc

Relevant Mutation: The first 53 codons of the original FLuc gene were exchanged for those isoaccepting codons decoded by the least abundant tRNAs in yeast. All remaining codons were exchanged for those isoaccepting codons decoded by the most abundant tRNAs. The last three codons of the full-length Firefly luciferase gene have been deleted to yield a luciferase variant which is fully functional, but no longer localises to peroxisomes.

Record Creation Time: 20220422T222201+0000

Record Last Update: 20260815T081420+0000

Ratings and Alerts

No rating or validation information has been found for pTH751-CEN-RLuc/min53maxCFLuc.

No alerts have been found for pTH751-CEN-RLuc/min53maxCFLuc.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.