

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pTH731-2 μ -RLuc/minCFLuc

RRID:Addgene_40601

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/40601>

Proper Citation: RRID:Addgene_40601

Insert Name: Firefly Luciferase

Organism: Photinus pyralis

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24357599](#)

Vector Backbone Description: Backbone Marker:Miller et al (1998) Nucleic Acids Res 26(15):3577-3583 ; Backbone Size:6518; Vector Backbone:pBEVY-U; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTH731-2 μ -RLuc/minCFLuc

Relevant Mutation: All codons of the original FLuc gene were exchanged for those isoaccepting codons decoded by the least abundant tRNAs in yeast. 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: 20220422T222211+0000

Record Last Update: 20260815T081437+0000

Ratings and Alerts

No rating or validation information has been found for pTH731-2 μ -RLuc/minCFLuc.

No alerts have been found for pTH731-2 μ -RLuc/minCFLuc.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Jossé L, et al. (2019) Experimental determination of codon usage-dependent selective pressure on high copy-number genes in *Saccharomyces cerevisiae*. *Yeast* (Chichester, England), 36(1), 43.