

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

LUC45 (L/Sec/mutP)

RRID:Addgene_112148

Type: Plasmid

Proper Citation

RRID:Addgene_112148

Plasmid Information

URL: <http://www.addgene.org/112148>

Proper Citation: RRID:Addgene_112148

Insert Name: Luciferase coding region with Cysteine 258 mutated to selenocysteine (U) and MUTANT AUGA PHGPx SECIS core

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15229221](#)

Vector Backbone Description: Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: LUC45 (L/Sec/mutP)

Relevant Mutation: Cysteine 258 mutated to selenocysteine (U) and SECIS AUGA to AUCC

Record Creation Time: 20220422T221546+0000

Record Last Update: 20260829T075138+0000

Ratings and Alerts

No rating or validation information has been found for LUC45 (L/Sec/mutP).

No alerts have been found for LUC45 (L/Sec/mutP).

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 [dkNET](#) .

Castiglione GM, et al. (2025) Running a genetic stop sign accelerates oxygen metabolism and energy production in horses. Science (New York, N.Y.), 387(6741), eadr8589.