

# Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

## LUC01 (L/Sec/P)

RRID:Addgene\_112144

Type: Plasmid

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### Proper Citation

RRID:Addgene\_112144

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### Plasmid Information

**URL:** <http://www.addgene.org/112144>

**Proper Citation:** RRID:Addgene\_112144

**Insert Name:** Luciferase coding region with Cysteine 258 mutated to selenocysteine (U) and wild-type PHGPx SECIS in the 3' UTR

**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:** LUC01 (L/Sec/P)

**Relevant Mutation:** Cysteine 258 mutated to selenocysteine (U)

**Record Creation Time:** 20220422T221546+0000

**Record Last Update:** 20260725T073516+0000

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### Ratings and Alerts

No rating or validation information has been found for LUC01 (L/Sec/P).

No alerts have been found for LUC01 (L/Sec/P).

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### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 2 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.

Chung CZ, et al. (2021) Introducing Selenocysteine into Recombinant Proteins in Escherichia coli. Current protocols, 1(2), e54.