

# Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

## Chicken ArcLight A173

RRID:Addgene\_53615

Type: Plasmid

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### Proper Citation

RRID:Addgene\_53615

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### Plasmid Information

**URL:** <http://www.addgene.org/53615>

**Proper Citation:** RRID:Addgene\_53615

**Insert Name:** Chicken ArcLight-A173

**Organism:** Gallus gallus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:24312287](#)

**Vector Backbone Description:** Backbone Size:5701; Vector Backbone:pCS2+; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** The chicken voltage sensitive phosphatase (VSP) sequence used in this construct contains an E14K mutation, when compared to the reference sequence XP\_417079.2 (the full plasmid sequence provided includes K14). This mutation could be polymorphism at the site or a PCR error. The depositing laboratory states that the plasmid functions as described in the associated publication.

**Plasmid Name:** Chicken ArcLight A173

**Relevant Mutation:** Gg-VSP contains an R153Q mutation and an amino acid E (GAG) was introduced immediately after the start M (ATG); Gg-VSP is truncated at A174 (A173 in the native Gg-VSP sequence) and super ecliptic pHluorin containing a A227D (FP numbering) mutation is fused to the C-terminal (after A174).

**Record Creation Time:** 20220422T222314+0000

**Record Last Update:** 20260815T081632+0000

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### Ratings and Alerts

No rating or validation information has been found for Chicken ArcLight A173.

No alerts have been found for Chicken ArcLight A173.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.