

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

Chicken ArcLight S174

RRID:Addgene_53567

Type: Plasmid

Proper Citation

RRID:Addgene_53567

Plasmid Information

URL: <http://www.addgene.org/53567>

Proper Citation: RRID:Addgene_53567

Insert Name: Chicken ArcLight-S174

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 S174

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 S175 (S174 in the native Gg-VSP sequence) and super ecliptic pHluorin containing a A227D (FP numbering) mutation is fused to the C-terminal (after S175).

Record Creation Time: 20220422T222314+0000

Record Last Update: 20260905T075801+0000

Ratings and Alerts

No rating or validation information has been found for Chicken ArcLight S174.

No alerts have been found for Chicken ArcLight S174.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.