

Resource Summary Report

Generated by [dkNET](#) on Aug 3, 2026

Zebrafish ArcLight Q175

RRID:Addgene_53616

Type: Plasmid

Proper Citation

RRID:Addgene_53616

Plasmid Information

URL: <http://www.addgene.org/53616>

Proper Citation: RRID:Addgene_53616

Insert Name: Zebrafish ArcLight-Q175

Organism: Danio rerio

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24312287](#)

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

Plasmid Name: Zebrafish ArcLight Q175

Relevant Mutation: Dr-VSD contains R153Q mutation and an amino acid E (GAG) introduced immediately after starting M (ATG); Dr-VSP is truncated at Q176 (Q175 in the original Dr-VSP sequence) and super ecliptic pHluorin containing a A227D (FP numbering) mutation is fused to the C-terminal (after Q176).

Record Creation Time: 20220422T222314+0000

Record Last Update: 20260801T081446+0000

Ratings and Alerts

No rating or validation information has been found for Zebrafish ArcLight Q175.

No alerts have been found for Zebrafish ArcLight Q175.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.