

# Resource Summary Report

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

## [pET15b-AavLEA1](#)

RRID:Addgene\_53093  
Type: Plasmid

### Proper Citation

RRID:Addgene\_53093

### Plasmid Information

**URL:** <http://www.addgene.org/53093>

**Proper Citation:** RRID:Addgene\_53093

**Insert Name:** AavLEA1

**Organism:** Aphelenchus avenae

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:25120007](#)

**Vector Backbone Description:** Backbone Marker:Novagen; Backbone Size:5708; Vector Backbone:pET-15b; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pET15b-AavLEA1

**Record Creation Time:** 20220422T222311+0000

**Record Last Update:** 20260815T081627+0000

### Ratings and Alerts

No rating or validation information has been found for pET15b-AavLEA1.

No alerts have been found for pET15b-AavLEA1.

### Data and Source Information

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

### Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Edmonds KK, et al. (2025) Structure and biochemistry-guided engineering of an all-RNA system for DNA insertion with R2 retrotransposons. Nature communications, 16(1), 6079.

Abe KM, et al. (2024) Small LEA proteins as an effective air-water interface protectant for fragile samples during cryo-EM grid plunge freezing. bioRxiv : the preprint server for biology.

Abe KM, et al. (2024) Small LEA proteins mitigate air-water interface damage to fragile cryo-EM samples during plunge freezing. Nature communications, 15(1), 7705.

Wang J, et al. (2020) Effects of Recombinant AavLEA1 Protein on Human Umbilical Cord Matrix Mesenchymal Stem Cells Survival During Cryopreservation. Biopreservation and biobanking, 18(4), 290.