

# Resource Summary Report

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

## pPV454

RRID:Addgene\_42922

Type: Plasmid

### Proper Citation

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### Plasmid Information

**URL:** <http://www.addgene.org/42922>

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**Insert Name:** Ce-age-1 promoter (873 bp)::Ce-age-1 cDNA (3549 bp)::Ce-unc-54 terminator (765 bp)

**Organism:** *Caenorhabditis elegans*

**Bacterial Resistance:** Ampicillin and Kanamycin

**Defining Citation:** [PMID:22701676](#)

**Vector Backbone Description:** Backbone Marker:Invitrogen; Backbone Size:3956; Vector Backbone:pCR4-TOPO; Vector Types:Worm Expression; Bacterial Resistance:Ampicillin and Kanamycin

**Comments:** The construct Ce-age-1p::Ce-age-1(3,549bp)::Ce-unc-54t, contained in plasmid pPV454, was assembled by overlap extension PCR. An 873 bp segment of Ce-age-1 5' region was amplified from genomic DNA and fused to 2,376 bp of the 5' region of Ce-age-1, amplified from cDNA, using the overlapping primers Ceage1p-cDNA-F and -R (below). This was subsequently fused to the remainder of the Ce-age-1 cDNA with the plasmid Pdpi-30-age-1, a gift from Yuichi Iino (University of Tokyo, Tokyo, Japan), as template and using the overlapping primers Ceage1-Cat-F and -R (below). Finally, the promoter and full-length 3,549 bp Ce-age-1 cDNA were fused to 765 bp of the Ce-unc-54 3' region (terminator), amplified from Pdpi-30-age-1 template, using the overlapping primers Ceage1-unc54-F and -R (below). The PCR product was T/A cloned into the pCR4-TOPO vector (Life Technologies) and the insert fully sequenced. Ceage1p-cDNA-F  
caagctttcatttaagatttaagATGTCTATGGGACGAAGCCCCTC Ceage1p-cDNA-R  
GAGGGGCTTCGTCCCATAGACATcttaaaatcttaaaatgaaagcttg Ceage1-Cat-F  
CCTCCGTGGAAATGAAGAGCACatcaagatcatcacccgacaag Ceage1-Cat-R  
cttgtcgggtgatgatcttgatGTGCTCTTCATTTCCACGGAGG Ceage1-unc54-F  
CCACGCAGTCAAACACTACTGAgataagagctccgcatcggccg Ceage1-unc54-R

cggccgatgcggagctcttatcTCAGTAGTGTTTGACTGCGTGG

**Plasmid Name:** pPV454

**Record Creation Time:** 20220422T222221+0000

**Record Last Update:** 20260902T045446+0000

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## Ratings and Alerts

No rating or validation information has been found for pPV454.

No alerts have been found for pPV454.

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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.