

# Resource Summary Report

Generated by [kravitz2](#) on Aug 27, 2026

## pEG593

RRID:Addgene\_40119

Type: Plasmid

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### Proper Citation

RRID:Addgene\_40119

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### Plasmid Information

**URL:** <http://www.addgene.org/40119>

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**Insert Name:** Mex-5 (ATG through 648 bp of 3'UTR) R274E K318E (RNAi res)

**Organism:** Caenorhabditis elegans

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:21925318](#)

**Vector Backbone Description:** Backbone Marker:Addgene plasmid 17247; Backbone Size:6351; Vector Backbone:pCG150; Vector Types:Worm Expression, Gateway Cloning; Bacterial Resistance:Ampicillin

**Comments:** Dendra::MEX-5 constructs were constructed as follows. A 4.4 kb mex-5 promoter fragment based on Tenlen et al. (2008) was cloned into pDONRP4P1R (Invitrogen). Dendra2/TEV/S-peptide (Gallo et al., 2010) was cloned into pDONR201. A MEX-5 genomic fragment from the start ATG through 648 bp of 3'UTR was cloned into pDONRP2RP3. Exon 2 of mex-5 was recoded to be RNAi-resistant (Gen-Script) so as to allow depletion of endogenous MEX-5/6 without depletion of the transgene. These constructs were assembled into pCG150 using three-way Gateway system (LR reaction) (Invitrogen) (Merritt et al., 2008). Mutations were made by recombinant PCR and all inserts were sequenced verified. Alternate plasmid name: pCG150 + 4.4kb+Dendra+ gen MEX-5 R274E K318E (RNAi res) +3'UTR

**Plasmid Name:** pEG593

**Relevant Mutation:** R274E, K318E, Exon 2 recoded to be RNAi-resistant

**Record Creation Time:** 20220422T222208+0000

**Record Last Update:** 20260815T081433+0000

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## Ratings and Alerts

No rating or validation information has been found for pEG593.

No alerts have been found for pEG593.

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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.