

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

[pEG593](#)

RRID:Addgene_40119

Type: Plasmid

Proper Citation

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Plasmid Information

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

Proper Citation: RRID:Addgene_40119

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

Ratings and Alerts

No rating or validation information has been found for pEG593.

No alerts have been found for pEG593.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.