

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[pEG587](#)

RRID:Addgene_40196

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/40196>

Proper Citation: RRID:Addgene_40196

Insert Name: Mex-5 (S458A) (RNAi resistant)

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; 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: mex-5 prom::Dendra2/TEV/Speptide::MEX-5RR - mex-5 3'UTR

Plasmid Name: pEG587

Relevant Mutation: S458A; exon 2 recoded to be RNAi-resistant

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260815T081434+0000

Ratings and Alerts

No rating or validation information has been found for pEG587.

No alerts have been found for pEG587.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.