

# Resource Summary Report

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

## [pEG585](#)

RRID:Addgene\_40192

Type: Plasmid

### Proper Citation

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### Plasmid Information

**URL:** <http://www.addgene.org/40192>

**Proper Citation:** RRID:Addgene\_40192

**Insert Name:** Mex-5 (S404A) (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(S404A) - mex-5 3'UTR

**Plasmid Name:** pEG585

**Relevant Mutation:** S404A; exon 2 recoded to be RNAi-resistant

**Record Creation Time:** 20220422T222209+0000

**Record Last Update:** 20260815T081434+0000

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## Ratings and Alerts

No rating or validation information has been found for pEG585.

No alerts have been found for pEG585.

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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.