

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

## pEGFPC1/GgVcl 1-1066 T12 mutant

RRID:Addgene\_46266

Type: Plasmid

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### Proper Citation

RRID:Addgene\_46266

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### Plasmid Information

**URL:** <http://www.addgene.org/46266>

**Proper Citation:** RRID:Addgene\_46266

**Insert Name:** Vcl T12 mutant

**Organism:** Gallus gallus

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:15728584](#)

**Vector Backbone Description:** Backbone Marker:Clonotech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Comments:** T12 mutation introduced by QuikChange PCR to Addgene plasmid 46265. Mutant inhibits vinculin autoinhibition by ~ 100 fold, vinculin is partially activated and will bind talin, but not actin (unless both talin and actin are present at same time).

**Plasmid Name:** pEGFPC1/GgVcl 1-1066 T12 mutant

**Relevant Mutation:** T12 mutant (D974;K975;R976; R978A) autoinhibition decreased by 100x

**Record Creation Time:** 20220422T222238+0000

**Record Last Update:** 20260725T074732+0000

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### Ratings and Alerts

No rating or validation information has been found for pEGFPC1/GgVcl 1-1066 T12 mutant.

No alerts have been found for pEGFPC1/GgVcl 1-1066 T12 mutant.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Carvalho JR, et al. (2019) Non-canonical Wnt signaling regulates junctional mechanocoupling during angiogenic collective cell migration. eLife, 8.

Bertocchi C, et al. (2017) Nanoscale architecture of cadherin-based cell-cell adhesions. Nature cell biology, 19(1), 28.