

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 13, 2025

## pEGFPC1/GgVcl 1-1066 T12 mutant

RRID:Addgene\_46266

Type: Plasmid

### Proper Citation

RRID:Addgene\_46266

### 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](https://pubmed.ncbi.nlm.nih.gov/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:** 20230915T081116+0000

### 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 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

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