

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

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](#)

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: 20260808T081721+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.

Data and Source Information

Source: [Addgene](#)

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.