Resource Summary Report

Generated by nidm-terms on Jul 30, 2026

pEGFPC1/GgVcl 1-258 (aka VD1)

RRID:Addgene_46270
Type: Plasmid

Proper Citation

RRID:Addgene_46270

Plasmid Information

URL: http://www.addgene.org/46270

Proper Citation: RRID:Addgene_46270

Insert Name: Vcl 1-258 (aka VD1)

Organism: Gallus gallus

Bacterial Resistance: Kanamycin

Defining Citation: PMID:16608855

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

Comments: Nde-Xho fragment from pET15b/Vh1-258 (Addgene plasmid 46173) was subcloned into EGFP/V1-1066 (Addgene plasmid 46265) vector modified to contain unique Nde, Xho sites. Modifications were made by QuikChange PCR to facilitate cloning of cDNAs previously in the pET15b vector. The NdeI site present in the cytomegalovirus promoter region was removed (mutating adenine 234 to thymine), and a new NdeI site was introduced into the multiple cloning site immediately before the vinculin start codon. Additionally, the 5-XhoI site was removed (mutating cytosine 1345 to adenine), and a 3-XhoI site was introduced 3' to the vinculin cDNA in lieu of a PstI site.

Plasmid Name: pEGFPC1/GgVcl 1-258 (aka VD1)

Relevant Mutation: 1-258 (VD1 domain)

Record Creation Time: 20220422T222238+0000

Record Last Update: 20260725T074732+0000

Ratings and Alerts

No rating or validation information has been found for pEGFPC1/GgVcl 1-258 (aka VD1).

No alerts have been found for pEGFPC1/GgVcl 1-258 (aka VD1).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Bennett M, et al. (2018) Molecular clutch drives cell response to surface viscosity. Proceedings of the National Academy of Sciences of the United States of America, 115(6), 1192.

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

Elosegui-Artola A, et al. (2016) Mechanical regulation of a molecular clutch defines force transmission and transduction in response to matrix rigidity. Nature cell biology, 18(5), 540.