

Resource Summary Report

Generated by [NIF](#) on Aug 22, 2026

Venus-BimEL(Noxa)-pEGFP-C1

RRID:Addgene_166761

Type: Plasmid

Proper Citation

RRID:Addgene_166761

Plasmid Information

URL: <http://www.addgene.org/166761>

Proper Citation: RRID:Addgene_166761

Insert Name: BimEL(Mus musculus)-(Noxa BH3)

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:35442739](#)

Vector Backbone Description: Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: BH3 region removed and inserted BH3 of Noxa protein. There is a K107E mutation in the Venus sequence of this plasmid. The K107E mutation is facing outwards in the B-Barrel structure of the Venus protein. Therefore, it is unlikely that this mutation would affect the chromophore within the ??-barrel. We have transfected this plasmid in BMK-DKO cells and did not observe aggregation. We also used this construct and observed Forster resonance energy transfer from mCerulean3 in the context of measuring interactions with two binding partners. Thus, this mutation does not appear to affect the Venus fluorophore.

Plasmid Name: Venus-BimEL(Noxa)-pEGFP-C1

Relevant Mutation: BH3 region removed and inserted BH3 of human Noxa protein

Record Creation Time: 20220422T221938+0000

Record Last Update: 20260815T080938+0000

Ratings and Alerts

No rating or validation information has been found for Venus-BimEL(Noxa)-pEGFP-C1.

No alerts have been found for Venus-BimEL(Noxa)-pEGFP-C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Osterlund EJ, et al. (2022) Efficacy and specificity of inhibitors of BCL-2 family protein interactions assessed by affinity measurements in live cells. Science advances, 8(16), eabm7375.