

# Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

## Venus-Puma-pEGFP-C1

RRID:Addgene\_166739

Type: Plasmid

### Proper Citation

RRID:Addgene\_166739

### Plasmid Information

**URL:** <http://www.addgene.org/166739>

**Proper Citation:** RRID:Addgene\_166739

**Insert Name:** Puma

**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:** Transfection of this plasmid will express "VPuma" (Venus fused to the N-terminus of the BH3-only protein, Puma) in live cells. When compared with EYFP, Venus fluorophore contains the following mutations: F46L, F64L, M153T, V163A and S175G. This Venus protein contains an F224R mutation to make it monomeric. In cloning, the last amino acid of Venus protein was deleted (K239S). Result is a 1 amino acid linker between Venus and Puma proteins. The encoded BBC3 isoform 4 is also known as PUMA-alpha.

**Plasmid Name:** Venus-Puma-pEGFP-C1

**Record Creation Time:** 20220422T221938+0000

**Record Last Update:** 20260725T074211+0000

### Ratings and Alerts

No rating or validation information has been found for Venus-Puma-pEGFP-C1.

No alerts have been found for Venus-Puma-pEGFP-C1.

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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 [NIF](#) .

Pemberton JM, et al. (2023) The carboxyl-terminal sequence of PUMA binds to both anti-apoptotic proteins and membranes. eLife, 12.

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.