Resource Summary Report

Generated by NIF on Sep 2, 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: 20260902T042717+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.

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 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.