Resource Summary Report

Generated by NIF on Jul 30, 2026

VCVV

RRID:Addgene_27789
Type: Plasmid

Proper Citation

RRID:Addgene_27789

Plasmid Information

URL: http://www.addgene.org/27789

Proper Citation: RRID:Addgene_27789

Insert Name: Venus-Cerulean-Venus-Venus

Bacterial Resistance: Kanamycin

Defining Citation: PMID:19946626

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3940; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression, Stoichiometry standard; Bacterial Resistance:Kanamycin

Comments: The 1st Venus can be excised using a NheI-BSP E1 double digest; Cerulean by BSP E1-BglII; the 2nd Venus by BglII-SalI and the last (3rd) Venus by SalI-BamHI. The full insert can be released by a NheI-BamHI double-digest. Due to the multiple fluorescent protein repeats in this plasmid, Addgene is unable to confirm the entire insert by sequencing. Please see Addgene's diagnostic digest for this plasmid by clicking the Notes from Addgene link above.

Plasmid Name: VCVV

Record Creation Time: 20220422T222124+0000

Record Last Update: 20260725T074522+0000

Ratings and Alerts

No rating or validation information has been found for VCVV.

No alerts have been found for VCVV.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Scipioni L, et al. (2021) Phasor S-FLIM: a new paradigm for fast and robust spectral fluorescence lifetime imaging. Nature methods, 18(5), 542.

Wu L, et al. (2017) Gene delivery ability of polyethylenimine and polyethylene glycol dual-functionalized nanographene oxide in 11 different cell lines. Royal Society open science, 4(10), 170822.

Zhang J, et al. (2016) IIem-spFRET: improved Iem-spFRET method for robust FRET measurement. Journal of biomedical optics, 21(10), 105003.

Zhang J, et al. (2016) Reliable measurement of the FRET sensitized-quenching transition factor for FRET quantification in living cells. Micron (Oxford, England : 1993), 88, 7.

Zhang J, et al. (2015) Quantitative FRET measurement using emission-spectral unmixing with independent excitation crosstalk correction. Journal of microscopy, 257(2), 104.

Yu H, et al. (2013) Ma-PbFRET: multiple acceptors FRET measurement based on partial acceptor photobleaching. Microscopy and microanalysis : the official journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada, 19(1), 171.