

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pcDNA3.1/Puro-CAG-VSFP-CR

RRID:Addgene_40257

Type: Plasmid

Proper Citation

RRID:Addgene_40257

Plasmid Information

URL: <http://www.addgene.org/40257>

Proper Citation: RRID:Addgene_40257

Insert Name: VSFP-CR

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22961245](#)

Vector Backbone Description: Backbone Marker:Invitrogen/Dr. Paulmurugan Ramasamy; Backbone Size:6107; Vector Backbone:pcDNA3.1/Puro-CAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Voltage sensor domain of Ci-VSP fused to a pair of fluorescent proteins consisting of a Clover GFP and mRuby2 RFP.

Plasmid Name: pcDNA3.1/Puro-CAG-VSFP-CR

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260815T081435+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1/Puro-CAG-VSFP-CR.

No alerts have been found for pcDNA3.1/Puro-CAG-VSFP-CR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Shah K, et al. (2025) LncRNA SLNCR phenocopies the E2F1 DNA binding site to promote melanoma progression. Cell reports, 44(5), 115608.

Campbell EP, et al. (2023) Electrical signals in the ER are cell type and stimulus specific with extreme spatial compartmentalization in neurons. Cell reports, 42(1), 111943.

Zhang F, et al. (2022) Generation of heterozygous (MRli003-A-5) and homozygous (MRli003-A-6) voltage-sensing knock-in human iPSC lines by CRISPR/Cas9 editing of the AAVS1 locus. Stem cell research, 61, 102785.

Tilokani L, et al. (2022) AMPK-dependent phosphorylation of MTFR1L regulates mitochondrial morphology. Science advances, 8(45), eabo7956.

Esfandyari D, et al. (2022) MicroRNA-365 regulates human cardiac action potential duration. Nature communications, 13(1), 220.

Sung U, et al. (2015) Developing Fast Fluorescent Protein Voltage Sensors by Optimizing FRET Interactions. PloS one, 10(11), e0141585.

Wang M, et al. (2014) WWOX suppresses cell growth and induces cell apoptosis via inhibition of P38 nuclear translocation in cholangiocarcinoma. Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology, 34(5), 1711.

Xiong F, et al. (2013) Targeted expression in zebrafish primordial germ cells by Cre/loxP and Gal4/UAS systems. Marine biotechnology (New York, N.Y.), 15(5), 526.

Ohara R, et al. (2011) Axotomy induces axonogenesis in hippocampal neurons through STAT3. Cell death & disease, 2(6), e175.