

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 2, 2026

## pShuttle-CMV

RRID:Addgene\_16403

Type: Plasmid

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### Proper Citation

RRID:Addgene\_16403

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### Plasmid Information

**URL:** <http://www.addgene.org/16403>

**Proper Citation:** RRID:Addgene\_16403

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:9482916](#)

**Vector Backbone Description:** Backbone Size:7452; Vector Backbone:pShuttle-CMV; Vector Types:Mammalian Expression, Adenoviral; Bacterial Resistance:Kanamycin

**Comments:** Vector pShuttle-CMV is used for expression of transgenes under a CMV promoter when no GFP tracer is desired. Max insert size = 6.6kb with pAdEasy1 and 9.3kb with pAdEasy2. See AdEasy Protocol linked in the supplemental documents section above for more information. NOTE: There are discrepancies between the Addgene quality control sequence and the assembled sequence from the Vogelstein lab. These differences are not known to affect function.

**Plasmid Name:** pShuttle-CMV

**Record Creation Time:** 20220422T221927+0000

**Record Last Update:** 20260902T042641+0000

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### Ratings and Alerts

No rating or validation information has been found for pShuttle-CMV.

No alerts have been found for pShuttle-CMV.

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### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 24 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Li J, et al. (2026) OXCT1-induced succinylation at K81 shields HADH from HSPA8-Mediated degradation in alveolar epithelial cells to attenuate lung ischemia-reperfusion injury. *Free radical biology & medicine*, 249, 43.

Dai Y, et al. (2026) Development and preclinical evaluation of KDTV001, an adenovirus 5-vectored trivalent HPV therapeutic vaccine targeting HPV16/18/52. *EBioMedicine*, 126, 106230.

Chandrasekar S, et al. (2025) Local RhoA activation induces septin recruitment. *bioRxiv* : the preprint server for biology.

Bredow C, et al. (2024) ISG15 blocks cardiac glycolysis and ensures sufficient mitochondrial energy production during Coxsackievirus B3 infection. *Cardiovascular research*, 120(6), 644.

Lee LA, et al. (2023) Functional divergence of the sarcomeric myosin, MYH7b, supports species-specific biological roles. *The Journal of biological chemistry*, 299(1), 102657.

Artarini A, et al. (2023) Development of Adenovirus-Based Covid-19 Vaccine Candidate in Indonesia. *Molecular biotechnology*, 1.

Yu W, et al. (2022) The substitution of SERCA2 redox cysteine 674 promotes pulmonary vascular remodeling by activating IRE1 $\alpha$ /XBP1s pathway. *Acta pharmaceutica Sinica. B*, 12(5), 2315.

Reautschnig P, et al. (2022) CLUSTER guide RNAs enable precise and efficient RNA editing with endogenous ADAR enzymes in vivo. *Nature biotechnology*, 40(5), 759.

Francis CR, et al. (2022) Capturing membrane trafficking events during 3D angiogenic development in vitro. *Microcirculation (New York, N.Y. : 1994)*, 29(6-7), e12726.

Francis CR, et al. (2022) Rab35 governs apicobasal polarity through regulation of actin dynamics during sprouting angiogenesis. *Nature communications*, 13(1), 5276.

Lechuga S, et al. (2022) A myosin chaperone, UNC-45A, is a novel regulator of intestinal epithelial barrier integrity and repair. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 36(5), e22290.

Ishizuka M, et al. (2021) CXCR7 ameliorates myocardial infarction as a  $\beta$ -arrestin-biased receptor. *Scientific reports*, 11(1), 3426.

Webb AM, et al. (2021) EHD2 modulates Dll4 endocytosis during blood vessel development. *Microcirculation (New York, N.Y. : 1994)*, 29(1), e12740.

Gross SJ, et al. (2021) Notch regulates vascular collagen IV basement membrane through modulation of lysyl hydroxylase 3 trafficking. *Angiogenesis*, 24(4), 789.

De Mario A, et al. (2021) Identification and functional validation of FDA-approved positive and negative modulators of the mitochondrial calcium uniporter. *Cell reports*, 35(12), 109275.

Shen Y, et al. (2021) NF- $\kappa$ B modifies the mammalian circadian clock through interaction with the core clock protein BMAL1. *PLoS genetics*, 17(11), e1009933.

Eaton AF, et al. (2019) Expansion and contraction of the umbrella cell apical junctional ring in response to bladder filling and voiding. *Molecular biology of the cell*, 30(16), 2037.

Salem V, et al. (2019) Leader  $\beta$ -cells coordinate  $\text{Ca}^{2+}$  dynamics across pancreatic islets in vivo. *Nature metabolism*, 1(6), 615.

Baddam SR, et al. (2018) The Desmosomal Cadherin Desmoglein-2 Experiences Mechanical Tension as Demonstrated by a FRET-Based Tension Biosensor Expressed in Living Cells. *Cells*, 7(7).

Winer BY, et al. (2017) Long-term hepatitis B infection in a scalable hepatic co-culture system. *Nature communications*, 8(1), 125.