

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pCMV5 mouse src

RRID:Addgene_13663

Type: Plasmid

Proper Citation

RRID:Addgene_13663

Plasmid Information

URL: <http://www.addgene.org/13663>

Proper Citation: RRID:Addgene_13663

Insert Name: src

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pCMV5 *; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: * The depositing lab is not completely sure of the backbone for this plasmid; Addgene's sequencing results indicate that it may instead be pcDNA3. The plasmid should still function correctly, but users should consult Addgene's sequencing results and exercise caution if subcloning is necessary.

Plasmid Name: pCMV5 mouse src

Record Creation Time: 20220422T221753+0000

Record Last Update: 20260815T080608+0000

Ratings and Alerts

No rating or validation information has been found for pCMV5 mouse src.

No alerts have been found for pCMV5 mouse src.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Jiang Z, et al. (2025) Deep mutational scanning of the multi-domain phosphatase SHP2 reveals mechanisms of regulation and pathogenicity. *Nature communications*, 16(1), 5464.

Ruan Z, et al. (2024) Human pannexin 1 channel is not phosphorylated by Src tyrosine kinase at Tyr199 and Tyr309. *eLife*, 13.

Ruan Z, et al. (2023) Human Pannexin 1 Channel is NOT Phosphorylated by Src Tyrosine Kinase at Tyr199 and Tyr309. *bioRxiv : the preprint server for biology*.

van Vlimmeren AE, et al. (2023) The pathogenic T42A mutation in SHP2 rewires the interaction specificity of its N-terminal regulatory domain. *bioRxiv : the preprint server for biology*.

Lurette O, et al. (2022) Mitochondrial matrix-localized Src kinase regulates mitochondrial morphology. *Cellular and molecular life sciences : CMLS*, 79(6), 327.

Tassin TC, et al. (2021) Gain-of-Function Properties of a Dynamin 2 Mutant Implicated in Charcot-Marie-Tooth Disease. *Frontiers in cellular neuroscience*, 15, 745940.

Day RN, et al. (2021) Direct visualization by FRET-FLIM of a putative mechanosome complex involving Src, Pyk2 and MBD2 in living MLO-Y4 cells. *PloS one*, 16(12), e0261660.

DeLalio LJ, et al. (2019) Constitutive SRC-mediated phosphorylation of pannexin 1 at tyrosine 198 occurs at the plasma membrane. *The Journal of biological chemistry*, 294(17), 6940.

Djeungoue-Petga MA, et al. (2019) Intramitochondrial Src kinase links mitochondrial dysfunctions and aggressiveness of breast cancer cells. *Cell death & disease*, 10(12), 940.

Smith AW, et al. (2016) Dynamic Organization of Myristoylated Src in the Live Cell Plasma Membrane. *The journal of physical chemistry. B*, 120(5), 867.

Lievens PM, et al. (2016) ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. *Molecular and cellular biology*, 36(17), 2208.

Rajala A, et al. (2016) Activation of oncogenic tyrosine kinase signaling promotes insulin receptor-mediated cone photoreceptor survival. *Oncotarget*, 7(30), 46924.

He K, et al. (2015) Regulation of Pro-Apoptotic Phosphorylation of Kv2.1 K⁺ Channels. *PloS one*, 10(6), e0129498.

Lee IH, et al. (2015) Live cell plasma membranes do not exhibit a miscibility phase transition over a wide range of temperatures. *The journal of physical chemistry. B*, 119(12), 4450.

Krisenko MO, et al. (2015) Nanomechanical property maps of breast cancer cells as determined by multiharmonic atomic force microscopy reveal Syk-dependent changes in microtubule stability mediated by MAP1B. *Biochemistry*, 54(1), 60.

Bae SH, et al. (2014) Src regulates membrane trafficking of the Kv3.1b channel. *FEBS letters*, 588(1), 86.

Talbot JJ, et al. (2014) The cleaved cytoplasmic tail of polycystin-1 regulates Src-dependent STAT3 activation. *Journal of the American Society of Nephrology : JASN*, 25(8), 1737.