

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

Cav1-GFP

RRID:Addgene_14433

Type: Plasmid

Proper Citation

RRID:Addgene_14433

Plasmid Information

URL: <http://www.addgene.org/14433>

Proper Citation: RRID:Addgene_14433

Insert Name: Caveolin-1

Organism: Canis familiaris

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16129785](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4749; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: Cav1-GFP

Record Creation Time: 20220422T221817+0000

Record Last Update: 20260905T074905+0000

Ratings and Alerts

No rating or validation information has been found for Cav1-GFP.

No alerts have been found for Cav1-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Alvelid J, et al. (2026) Smart event-triggered MINFLUX microscopy to catch and follow rare events. *Nature communications*, 17(1).

Maekawa Y, et al. (2026) Bleb expansion requires transient membrane invaginations that sequester curvature-preferring proteins. *Proceedings of the National Academy of Sciences of the United States of America*, 123(21), e2534871123.

Baryalai P, et al. (2025) Hemagglutinin Protease HapA Associated With *Vibrio cholerae* Outer Membrane Vesicles (OMVs) Disrupts Tight and Adherens Junctions. *Journal of extracellular vesicles*, 14(5), e70092.

Morana O, et al. (2022) Identification of a New Cholesterol-Binding Site within the IFN- γ Receptor that is Required for Signal Transduction. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 9(11), e2105170.

Nadeem A, et al. (2021) Phosphatidic acid-mediated binding and mammalian cell internalization of the *Vibrio cholerae* cytotoxin MakA. *PLoS pathogens*, 17(3), e1009414.

Nadeem A, et al. (2021) Suppression of β -catenin signaling in colon carcinoma cells by a bacterial protein. *International journal of cancer*, 149(2), 442.

Rausch V, et al. (2019) The Hippo Pathway Regulates Caveolae Expression and Mediates Flow Response via Caveolae. *Current biology : CB*, 29(2), 242.

Besprozvannaya M, et al. (2018) GRAM domain proteins specialize functionally distinct ER-PM contact sites in human cells. *eLife*, 7.

Boothe T, et al. (2016) Inter-domain tagging implicates caveolin-1 in insulin receptor trafficking and Erk signaling bias in pancreatic beta-cells. *Molecular metabolism*, 5(5), 366.

Azizi PM, et al. (2015) Clathrin-dependent entry and vesicle-mediated exocytosis define insulin transcytosis across microvascular endothelial cells. *Molecular biology of the cell*, 26(4), 740.

Kim SY, et al. (2013) Collective behaviors of mammalian cells on amine-coated silicon nanowires. *Nanotechnology*, 24(45), 455704.

Long M, et al. (2012) Lipid raft/caveolae signaling is required for *Cryptococcus neoformans* invasion into human brain microvascular endothelial cells. *Journal of biomedical science*, 19(1), 19.

Mishra SK, et al. (2012) High-affinity Dkk1 receptor Kremen1 is internalized by clathrin-mediated endocytosis. *PloS one*, 7(12), e52190.

Billiet L, et al. (2012) Gene transfer by chemical vectors, and endocytosis routes of polyplexes, lipoplexes and lipopolyplexes in a myoblast cell line. *Biomaterials*, 33(10), 2980.

Li Q, et al. (2009) Subdiffraction-limit two-photon fluorescence microscopy for GFP-tagged cell imaging. *Biophysical journal*, 97(12), 3224.