Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

CAV1-mEGFP

RRID:Addgene_27704
Type: Plasmid

Proper Citation

RRID:Addgene_27704

Plasmid Information

URL: http://www.addgene.org/27704

Proper Citation: RRID:Addgene_27704

Insert Name: caveolin-1

Organism: Canis lupus familiaris

Bacterial Resistance: Kanamycin

Defining Citation: PMID:20070607

Vector Backbone Description: Backbone Size:3961; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: CAV1-mEGFP

Record Creation Time: 20220422T222124+0000

Record Last Update: 20260808T081505+0000

Ratings and Alerts

No rating or validation information has been found for CAV1-mEGFP.

No alerts have been found for CAV1-mEGFP.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Xu Y, et al. (2025) Visualize neuronal membrane cholesterol with split-fluorescent protein tagged YDQA sensor. Journal of lipid research, 66(5), 100781.

Bekku Y, et al. (2024) Glia trigger endocytic clearance of axonal proteins to promote rodent myelination. Developmental cell.

Luan H, et al. (2023) EHD2 overexpression promotes tumorigenesis and metastasis in triple-negative breast cancer by regulating store-operated calcium entry. eLife, 12.

Vtyurina N, et al. (2021) Imaging of nanoparticle uptake and kinetics of intracellular trafficking in individual cells. Nanoscale, 13(23), 10436.

Shi X, et al. (2021) Feedback-Driven Mechanisms Between Phosphorylated Caveolin-1 and Contractile Actin Assemblies Instruct Persistent Cell Migration. Frontiers in cell and developmental biology, 9, 665919.

Sanderson TM, et al. (2018) The Probability of Neurotransmitter Release Governs AMPA Receptor Trafficking via Activity-Dependent Regulation of mGluR1 Surface Expression. Cell reports, 25(13), 3631.

Jiu Y, et al. (2018) Vimentin intermediate filaments function as a physical barrier during intracellular trafficking of caveolin-1. Biochemical and biophysical research communications, 507(1-4), 161.

Chen Y, et al. (2016) Tyrosine kinase receptor EGFR regulates the switch in cancer cells between cell survival and cell death induced by autophagy in hypoxia. Autophagy, 12(6), 1029.

Neumann K, et al. (2015) Chemokine Transfer by Liver Sinusoidal Endothelial Cells Contributes to the Recruitment of CD4+ T Cells into the Murine Liver. PloS one, 10(6), e0123867.

Pulli I, et al. (2015) A novel chimeric aequorin fused with caveolin-1 reveals a sphingosine kinase 1-regulated Ca²? microdomain in the caveolar compartment. Biochimica et biophysica acta, 1853(9), 2173.

Zhang J, et al. (2014) Soy protein isolate down-regulates caveolin-1 expression to suppress osteoblastic cell senescence pathways. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 28(7), 3134.

Shah C, et al. (2014) Structural insights into membrane interaction and caveolar targeting of dynamin-like EHD2. Structure (London, England : 1993), 22(3), 409.