Resource Summary Report

Generated by RRID on Aug 31, 2026

Cav1-mRFP

RRID:Addgene_14434
Type: Plasmid

Proper Citation

RRID:Addgene_14434

Plasmid Information

URL: http://www.addgene.org/14434

Proper Citation: RRID:Addgene_14434

Insert Name: Caveolin-1

Organism: Canis familalis

Bacterial Resistance: Kanamycin

Defining Citation: PMID:16129785

Vector Backbone Description: Backbone Size:4687; Vector Backbone:pmRFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Please note that the depositing laboratory recommends using CAV1-mCherry (Addgene Plasmid #27705) instead of CAV1-mRFP due to improved properties of the mCherry fluorophore.

Plasmid Name: Cav1-mRFP

Record Creation Time: 20220422T221817+0000

Record Last Update: 20260829T075646+0000

Ratings and Alerts

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

No alerts have been found for Cav1-mRFP.

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 .

Bittel DC, et al. (2023) Early Endosomes Undergo Calcium-Triggered Exocytosis and Enable Repair of Diffuse and Focal Plasma Membrane Injury. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(33), e2300245.

Rangel L, et al. (2019) Caveolin-1? regulates primary cilium length by controlling RhoA GTPase activity. Scientific reports, 9(1), 1116.

Spencer A, et al. (2017) Nerve Growth Factor Signaling from Membrane Microdomains to the Nucleus: Differential Regulation by Caveolins. International journal of molecular sciences, 18(4).

He K, et al. (2015) Internalization of the TGF-? type I receptor into caveolin-1 and EEA1 double-positive early endosomes. Cell research, 25(6), 738.

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.

Yu L, et al. (2015) Highly efficient method for gene delivery into mouse dorsal root ganglia neurons. Frontiers in molecular neuroscience, 8, 2.

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

Li W, et al. (2012) Caveolin-1 inhibits expression of antioxidant enzymes through direct interaction with nuclear erythroid 2 p45-related factor-2 (Nrf2). The Journal of biological chemistry, 287(25), 20922.

Milev MP, et al. (2010) Live cell visualization of the interactions between HIV-1 Gag and the cellular RNA-binding protein Staufen1. Retrovirology, 7, 41.