

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 24, 2025

pCMV2-SEP-GluA1 (M1)

RRID:Addgene_64942

Type: Plasmid

Proper Citation

RRID:Addgene_64942

Plasmid Information

URL: <http://www.addgene.org/64942>

Proper Citation: RRID:Addgene_64942

Insert Name: GluA1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24403083](#)

Vector Backbone Description: Vector Backbone:pCMV2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV2-SEP-GluA1 (M1)

Record Creation Time: 20220422T222410+0000

Record Last Update: 20231012T080642+0000

Ratings and Alerts

No rating or validation information has been found for pCMV2-SEP-GluA1 (M1).

No alerts have been found for pCMV2-SEP-GluA1 (M1).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Wong VC, et al. (2024) Plasticity-induced actin polymerization in the dendritic shaft regulates intracellular AMPA receptor trafficking. *eLife*, 13.

Chen JH, et al. (2023) Reduced lysosomal density in neuronal dendrites mediates deficits in synaptic plasticity in Huntington's disease. *Cell reports*, 42(12), 113573.

Eichel K, et al. (2022) Endocytosis in the axon initial segment maintains neuronal polarity. *Nature*, 609(7925), 128.

Yoon S, et al. (2022) A fluorescence recovery after photobleaching protocol to measure surface diffusion of DAGL? in primary cultured cortical mouse neurons. *STAR protocols*, 3(1), 101118.

McMillan KJ, et al. (2021) Sorting nexin-27 regulates AMPA receptor trafficking through the synaptic adhesion protein LRFN2. *eLife*, 10.