

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

CMV mRuby3-Synapsin1a

RRID:Addgene_187896

Type: Plasmid

Proper Citation

RRID:Addgene_187896

Plasmid Information

URL: <http://www.addgene.org/187896>

Proper Citation: RRID:Addgene_187896

Insert Name: Synapsin1a

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Clontech, Palo Alto, California; Backbone Size:3998; Vector Backbone:pEGFP-C1 vector; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: F255Y and S304A mutations in Synapsin1a insert do not affect plasmid function.

Plasmid Name: CMV mRuby3-Synapsin1a

Record Creation Time: 20220727T080221+0000

Record Last Update: 20260815T082322+0000

Ratings and Alerts

No rating or validation information has been found for CMV mRuby3-Synapsin1a.

No alerts have been found for CMV mRuby3-Synapsin1a.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kumar M, et al. (2025) Triglycerides are an important fuel reserve for synapse function in the brain. Nature metabolism, 7(7), 1392.

Cuhadar U, et al. (2024) Activity-driven synaptic translocation of LGI1 controls excitatory neurotransmission. Cell reports, 43(5), 114186.

Cook DC, et al. (2023) GABABR silencing of nerve terminals. eLife, 12.