Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 5, 2024

CMV::SypHy A4

RRID:Addgene_24478

Type: Plasmid

Proper Citation

RRID:Addgene_24478

Plasmid Information

URL: http://www.addgene.org/24478

Proper Citation: RRID:Addgene_24478

Insert Name: SypHy

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: PMID:16982422

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3952; Vector

Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial

Resistance: Kanamycin

Comments: The depositing lab notes that the Xba1 and Bcl1 unique restriction digestion sites could be methylated and blocked if the plasmid is grown or maintained in dam+bacteria. Also note that in the Addgene-generated map below, the feature listed as "GFP(12-708)" is actually pH sensitive pHluorin. There is a mutation S446T in Synaptophysin ORF. This change does not have any effect in localizing the construct to the synaptic vesicle and may be a result of a SNP.

Plasmid Name: CMV::SypHy A4

Ratings and Alerts

No rating or validation information has been found for CMV::SypHy A4.

No alerts have been found for CMV::SypHy A4.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Blumrich EM, et al. (2023) Phosphatidylinositol 4-kinase II? is a glycogen synthase kinase 3-regulated interaction hub for activity-dependent bulk endocytosis. Cell reports, 42(6), 112633.

Hao Y, et al. (2023) Targeted sensors for glutamatergic neurotransmission. eLife, 12.

Bodz?ta A, et al. (2022) Subsynaptic mobility of presynaptic mGluR types is differentially regulated by intra- and extracellular interactions. Molecular biology of the cell, 33(8), ar66.

Dentoni G, et al. (2022) Mitochondria-Endoplasmic Reticulum Interplay Regulates Exo-Cytosis in Human Neuroblastoma Cells. Cells, 11(3).

Jiang ZJ, et al. (2021) TRPM7 is critical for short-term synaptic depression by regulating synaptic vesicle endocytosis. eLife, 10.

Yong XLH, et al. (2020) PICK1 Controls Activity-Dependent Synaptic Vesicle Cargo Retrieval. Cell reports, 33(4), 108312.

Nakazawa H, et al. (2012) Rab33a mediates anterograde vesicular transport for membrane exocytosis and axon outgrowth. The Journal of neuroscience : the official journal of the Society for Neuroscience, 32(37), 12712.