Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 7, 2024

FUGW

RRID:Addgene_14883

Type: Plasmid

Proper Citation

RRID:Addgene_14883

Plasmid Information

URL: http://www.addgene.org/14883

Proper Citation: RRID:Addgene_14883

Insert Name: flap-Ub promoter-GFP-WRE

Bacterial Resistance: Ampicillin

Defining Citation: PMID:11786607

Vector Backbone Description: Backbone Marker: I. Verma, Salk; Backbone Size: 0; Vector

Backbone:HR'CS-G; Vector Types:Mammalian Expression, Lentiviral; Bacterial

Resistance: Ampicillin

Comments: Plasmid pFUGW was constructed by inserting the following into the multicloning site of HR'CS-G: HIV-1 flap sequence PCR-amplified from the HIV NLA4.3 genome, the human polyubiquitin promoter-C (gift of L. Thiel, Amgen), the EGFP gene, and the WRE (woodchuck hepatitis virus posttranscriptional regulatory element) (gift of D. Trono, University of Geneva). Lentiviruses can be produced by cotransfecting the HIV-1 packaging vector Delta8.9 and the VSVG envelope glycoprotein into 293 fibroblasts. Order of elements: CMV LTR Pstl flap Pacl Ubiquitin promoter Spel HindIII Pstl Sall Xbal BamHI Smal Kpnl GFP Notl Eagl Xbal EcoRI EcoRV HindIII Clal WRE Clal Sall Xhol Kpnl 3'LTR Apal Pmel.

Plasmid Name: FUGW

Ratings and Alerts

No rating or validation information has been found for FUGW.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 51 mentions in open access literature.

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

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

Mehta N, et al. (2024) The juxtamembrane linker of synaptotagmin 1 regulates Ca2+ binding via liquid-liquid phase separation. Nature communications, 15(1), 262.

Santhosh Kumar S, et al. (2024) Sequential CRISPR screening reveals partial NatB inhibition as a strategy to mitigate alpha-synuclein levels in human neurons. Science advances, 10(6), eadj4767.

Pozniak J, et al. (2024) A TCF4-dependent gene regulatory network confers resistance to immunotherapy in melanoma. Cell, 187(1), 166.

Ito F, et al. (2024) Protocol for the isolation of GFP-expressing ferroptosis-dependent extracellular vesicles in in vitro cell culture models. STAR protocols, 5(1), 102892.

Shvedov NR, et al. (2024) In vivo imaging in transgenic songbirds reveals superdiffusive neuron migration in the adult brain. Cell reports, 43(2), 113759.

Watson ET, et al. (2023) Synaptic vesicle proteins are selectively delivered to axons in mammalian neurons. eLife, 12.

Reincke SM, et al. (2023) Chimeric autoantibody receptor T cells deplete NMDA receptor-specific B cells. Cell, 186(23), 5084.

Vevea JD, et al. (2023) Mitofusin 2 Sustains the Axonal Mitochondrial Network to Support Presynaptic Ca2+ Homeostasis and the Synaptic Vesicle Cycle in Rat Hippocampal Axons. The Journal of neuroscience: the official journal of the Society for Neuroscience, 43(19), 3421.

Mehta N, et al. (2023) The juxtamembrane linker of synaptotagmin 1 regulates Ca2+ binding via liquid-liquid phase separation. bioRxiv: the preprint server for biology.

Seibert MJ, et al. (2023) Synaptotagmin 9 Modulates Spontaneous Neurotransmitter Release in Striatal Neurons by Regulating Substance P Secretion. The Journal of

neuroscience: the official journal of the Society for Neuroscience, 43(9), 1475.

Essayan-Perez S, et al. (2023) Neuronal ?-secretase regulates lipid metabolism, linking cholesterol to synaptic dysfunction in Alzheimer's disease. Neuron, 111(20), 3176.

Duan D, et al. (2023) Abl2 repairs microtubules and phase separates with tubulin to promote microtubule nucleation. Current biology: CB, 33(21), 4582.

Bershteyn M, et al. (2023) Human pallial MGE-type GABAergic interneuron cell therapy for chronic focal epilepsy. Cell stem cell, 30(10), 1331.

Hoffmann CJ, et al. (2022) Zfp580 Regulates Paracrine and Endocrine Igf1 and Igfbp3 Differently in the Brain and Blood After a Murine Stroke. Frontiers in physiology, 13, 887180.

Dias JNR, et al. (2022) Characterization of the canine CD20 as a therapeutic target for comparative passive immunotherapy. Scientific reports, 12(1), 2678.

Franjic D, et al. (2022) Transcriptomic taxonomy and neurogenic trajectories of adult human, macaque, and pig hippocampal and entorhinal cells. Neuron, 110(3), 452.

Zhao Q, et al. (2022) Niraparib-induced STAT3 inhibition increases its antitumor effects. Frontiers in oncology, 12, 966492.

Ma L, et al. (2022) Fast generation of forebrain oligodendrocyte spheroids from human embryonic stem cells by transcription factors. iScience, 25(10), 105172.

Chanaday NL, et al. (2021) Presynaptic store-operated Ca2+ entry drives excitatory spontaneous neurotransmission and augments endoplasmic reticulum stress. Neuron, 109(8), 1314.