Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

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 PstI flap PacI Ubiquitin promoter SpeI HindIII PstI SalI XbaI BamHI SmaI KpnI GFP NotI EagI XbaI EcoRI EcoRV HindIII ClaI WRE ClaI SalI XhoI KpnI 3'LTR ApaI PmeI.

Plasmid Name: FUGW

Record Creation Time: 20220422T221826+0000

Record Last Update: 20231115T080427+0000

Ratings and Alerts

No rating or validation information has been found for FUGW.

No alerts have been found for FUGW.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 71 mentions in open access literature.

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

Gao L, et al. (2024) Hematopoietic stem cell niche generation and maintenance are distinguishable by an epitranscriptomic program. Cell, 187(11), 2801.

Dao L, et al. (2024) Modeling blood-brain barrier formation and cerebral cavernous malformations in human PSC-derived organoids. Cell stem cell, 31(6), 818.

Lin W, et al. (2024) Light-gated integrator for highlighting kinase activity in living cells. Nature communications, 15(1), 7804.

Ma D, et al. (2024) Arl2 GTPase associates with the centrosomal protein Cdk5rap2 to regulate cortical development via microtubule organization. PLoS biology, 22(8), e3002751.

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

Cavalli P, et al. (2024) Manipulation of DHPS activity affects dendritic morphology and expression of synaptic proteins in primary rat cortical neurons. Frontiers in cellular neuroscience, 18, 1465011.

Parra Bravo C, et al. (2024) Human iPSC 4R tauopathy model uncovers modifiers of tau propagation. Cell, 187(10), 2446.

Binkle-Ladisch L, et al. (2024) Identification and development of TRPM4 antagonists to counteract neuronal excitotoxicity. iScience, 27(12), 111425.

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

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

Aguadé-Gorgorió J, et al. (2024) MYCT1 controls environmental sensing in human haematopoietic stem cells. Nature, 630(8016), 412.

Lidenge SJ, et al. (2024) Viral Epitope Scanning Reveals Correlation between Seasonal HCoVs and SARS-CoV-2 Antibody Responses among Cancer and Non-Cancer Patients. Viruses, 16(3).

Lin W, et al. (2024) Light-gated Integrator for Highlighting Kinase Activity in Living Cells. bioRxiv : the preprint server for biology.

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.

Bansal P, et al. (2024) A dynamic in vitro model of Down syndrome neurogenesis with trisomy 21 gene dosage correction. Science advances, 10(23), eadj0385.

Rahman ML, et al. (2024) New ZNHIT3 Variants Disrupting snoRNP Assembly Cause Prenatal PEHO Syndrome with Isolated Hydrops. medRxiv : the preprint server for health sciences.

DeVault L, et al. (2024) The response of Dual-leucine zipper kinase (DLK) to nocodazole: Evidence for a homeostatic cytoskeletal repair mechanism. PloS one, 19(4), e0300539.

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.

Mao X, et al. (2024) Aplp1 interacts with Lag3 to facilitate transmission of pathologic ?-synuclein. Nature communications, 15(1), 4663.