Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 11, 2025

pUltra-hot

RRID:Addgene_24130
Type: Plasmid

Proper Citation

RRID:Addgene_24130

Plasmid Information

URL: http://www.addgene.org/24130

Proper Citation: RRID:Addgene_24130

Insert Name: none

Bacterial Resistance: Ampicillin

Defining Citation: PMID:

Vector Backbone Description: Backbone Marker:Didier Trono; Backbone Size:7000; Vector Backbone:pRRL; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: pUltra was cloned by Yildirim Dogan (doganym@yahoo.com) This is a 3rd generation Lentiviral vector with an internal Ubiquitinc Promoter. By cloning into the compatible cloning sites* (XbaI and BamHI) downstream of mCherry-P2A, you get a bi-cistronic expression of mCherry and the gene of interest. You can clone a second gene of interest into the NheI/bclI**donwstream of mCherry-P2A-gene1-T2A and get a multi-cistronic expression of all three genes. * compatible cloning site (ccs): you can pcr amplifiy your gene of interest with a forward primer including one of these cutting sites: SpeI or NheI or XbaI and a reverse primer with one these cutting sites: BglII or BamHI or bclI. The PCR product is now compatible with the first site as well the 2nd site. "You can mix and match". ** for bclI the vector has to be amplified by dam-methylation defective E coli strains (e.g. SC110 Stratagene). Further advantage of the vector is, that you can simultaneously do RNAi by cloning H1-shRNA cassettes into the unique SnaBI site in the 3´-LTR. Plus while integration the RNAi cassette gets doubled, since the 5´LTR is dublicated while reverse transcripton from the 3´-LTR P2A: 3971-4033 and T2A is between bp 4049-4111

Plasmid Name: pUltra-hot

Record Creation Time: 20220422T222108+0000

Record Last Update: 20231115T080705+0000

Ratings and Alerts

No rating or validation information has been found for pUltra-hot.

No alerts have been found for pUltra-hot.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Ghazi PC, et al. (2024) Inhibition of ULK1/2 and KRASG12C controls tumor growth in preclinical models of lung cancer. eLife, 13.

Singh S, et al. (2024) epHero - a tandem-fluorescent probe to track the fate of apoptotic cells during efferocytosis. Cell death discovery, 10(1), 179.

Kazzaz SA, et al. (2024) Phosphorylation of aryl hydrocarbon receptor interacting protein by TBK1 negatively regulates IRF7 and the type I interferon response. The Journal of biological chemistry, 300(1), 105525.

Hansen SH, et al. (2024) TruD technology for the study of epi- and endothelial tubes in vitro. PloS one, 19(5), e0301099.

Yu L, et al. (2024) PCDH17 restricts dendritic spine morphogenesis by regulating ROCK2-dependent control of the actin cytoskeleton, modulating emotional behavior. Zoological research, 45(3), 535.

Kabirova M, et al. (2023) Abl2 Kinase Differentially Regulates iGluRs Current Activity and Synaptic Localization. Cellular and molecular neurobiology.

Brandimarti R, et al. (2023) The US9-Derived Protein gPTB9TM Modulates APP Processing Without Targeting Secretase Activities. Molecular neurobiology, 60(4), 1811.

Irollo E, et al. (2023) The Endolysosomal Transporter DMT1 is Required for Morphine

Regulation of Neuronal Ferritin Heavy Chain. Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology, 18(3), 495.

Ouyang H, et al. (2023) p120 RasGAP and ZO-2 are essential for Hippo signaling and tumor-suppressor function mediated by p190A RhoGAP. Cell reports, 42(12), 113486.

Karlikow M, et al. (2022) Field validation of the performance of paper-based tests for the detection of the Zika and chikungunya viruses in serum samples. Nature biomedical engineering, 6(3), 246.

Deryabin PI, et al. (2022) Senescent endometrial stromal cells transmit reactive oxygen species to the trophoblast-like cells and impair spreading of blastocyst-like spheroids. Molecular human reproduction, 28(12).

Igelmann S, et al. (2021) A hydride transfer complex reprograms NAD metabolism and bypasses senescence. Molecular cell, 81(18), 3848.

Voss TD, et al. (2021) Ubiquitination and the proteasome rather than caspase-3-mediated C-terminal cleavage are involved in the EAAT2 degradation by staurosporine-induced cellular stress. Journal of neurochemistry, 157(4), 1284.

Nabet BY, et al. (2017) Exosome RNA Unshielding Couples Stromal Activation to Pattern Recognition Receptor Signaling in Cancer. Cell, 170(2), 352.