Resource Summary Report

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

pAAV-flex-taCasp3-TEVp

RRID:Addgene_45580
Type: Plasmid

Proper Citation

RRID:Addgene_45580

Plasmid Information

URL: http://www.addgene.org/45580

Proper Citation: RRID:Addgene_45580

Insert Name: Caspase 3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23663785

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:5347; Vector Backbone:pAAV-MCS; Vector Types:AAV, Other, Adeno Associated Viral Vector; Bacterial Resistance:Ampicillin

Comments: The taCasp3-T2A-TEVp transgene was generated by overlapping PCR of plasmids harboring taCasp3 and TEVp (Gray et al., 2010; Cell 142, 637-646 PMID: 20723762). This transgene was inserted in reverse orientation into the plasmid pAAV-EF1a-DIO-hChR2(H134R)-EYFP-WPRE-pA such that it replaced hChR2(H134R)-EYFP

Plasmid Name: pAAV-flex-taCasp3-TEVp

Relevant Mutation: Linker replaced with a TEV protease cleavage site

Record Creation Time: 20220422T222235+0000

Record Last Update: 20220422T224125+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-flex-taCasp3-TEVp.

No alerts have been found for pAAV-flex-taCasp3-TEVp.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

González-Pereyra P, et al. (2024) Preconfigured cortico-thalamic neural dynamics constrain movement-associated thalamic activity. Nature communications, 15(1), 10185.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. Cell, 187(19), 5393.

Sayers S, et al. (2024) The role of pituitary adenylate cyclase-activating polypeptide neurons in the hypothalamic ventromedial nucleus and the cognate PAC1 receptor in the regulation of hedonic feeding. Frontiers in nutrition, 11, 1437526.

Ferguson LA, et al. (2024) Adaptation of sequential action benefits from timing variability related to lateral basal ganglia circuitry. iScience, 27(3), 109274.

Krizan J, et al. (2024) Predation without direction selectivity. Proceedings of the National Academy of Sciences of the United States of America, 121(12), e2317218121.

Kawatake-Kuno A, et al. (2024) Sustained antidepressant effects of ketamine metabolite involve GABAergic inhibition-mediated molecular dynamics in aPVT glutamatergic neurons. Neuron.

Tetzlaff SK, et al. (2024) Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing. Cell.

McDougle M, et al. (2024) Separate gut-brain circuits for fat and sugar reinforcement combine to promote overeating. Cell metabolism, 36(2), 393.

Liu Y, et al. (2024) A subset of dopamine receptor-expressing neurons in the nucleus accumbens controls feeding and energy homeostasis. Nature metabolism, 6(8), 1616.

Ibáñez-Sandoval DN, et al. (2024) Striatal Interneuron Imbalance in a Valproic Acid-Induced Model of Autism in Rodents Is Accompanied by Atypical Somatosensory Processing. eNeuro, 11(12).

Guan D, et al. (2024) Central inhibition of HDAC6 re-sensitizes leptin signaling during obesity to induce profound weight loss. Cell metabolism, 36(4), 857.

Ziobro P, et al. (2024) Midbrain neurons important for the production of mouse ultrasonic vocalizations are not required for distress calls. Current biology : CB, 34(5), 1107.

Glangetas C, et al. (2024) A population of Insula neurons encodes for social preference only after acute social isolation in mice. Nature communications, 15(1), 7142.

Narimatsu Y, et al. (2023) Neurosecretory Protein GM-Expressing Neurons Participate in Lipid Storage and Inflammation in Newly Developed Cre Driver Male Mice. Biomedicines, 11(12).

Sandoval-Rodríguez R, et al. (2023) D1 and D2 neurons in the nucleus accumbens enable positive and negative control over sugar intake in mice. Cell reports, 42(3), 112190.

Schroer J, et al. (2023) Activity-dependent regulation of the BAX/BCL-2 pathway protects cortical neurons from apoptotic death during early development. Cellular and molecular life sciences : CMLS, 80(6), 175.

Laing BT, et al. (2023) Anterior hypothalamic parvalbumin neurons are glutamatergic and promote escape behavior. Current biology : CB, 33(15), 3215.

Yang M, et al. (2023) Separate orexigenic hippocampal ensembles shape dietary choice by enhancing contextual memory and motivation. bioRxiv : the preprint server for biology.

Topilko T, et al. (2022) Edinger-Westphal peptidergic neurons enable maternal preparatory nesting. Neuron, 110(8), 1385.

Yu H, et al. (2022) Social touch-like tactile stimulation activates a tachykinin 1-oxytocin pathway to promote social interactions. Neuron, 110(6), 1051.