

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

pAAV-hSyn-DIO-GRAB_ACh3.0

RRID:Addgene_121923

Type: Plasmid

Proper Citation

RRID:Addgene_121923

Plasmid Information

URL: <http://www.addgene.org/121923>

Proper Citation: RRID:Addgene_121923

Insert Name: GPCR activation based ACh sensor GRAB-ACh3.0

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32989318](#)

Vector Backbone Description: Backbone Size:4495; Vector Backbone:pAAV vector; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-hSyn-DIO-GRAB_ACh3.0

Record Creation Time: 20220422T221638+0000

Record Last Update: 20260829T075330+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-hSyn-DIO-GRAB_ACh3.0.

No alerts have been found for pAAV-hSyn-DIO-GRAB_ACh3.0.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Brill-Weil SG, et al. (2025) Presynaptic GABAA receptors control integration of nicotinic input onto dopaminergic axons in the striatum. Cell reports, 44(12), 116555.

Ortiz-Guzman J, et al. (2024) Cholinergic Basal Forebrain Connectivity to the Basolateral Amygdala Modulates Food Intake. eNeuro, 11(3).

Ma P, et al. (2024) Fast and slow: Recording neuromodulator dynamics across both transient and chronic time scales. Science advances, 10(8), eadi0643.

Brill-Weil SG, et al. (2024) Presynaptic GABAA receptors control integration of nicotinic input onto dopaminergic axons in the striatum. bioRxiv : the preprint server for biology.