

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 8, 2025

pAAV.hSynapsin.SF-iGluSnFR.A184V

RRID:Addgene_106175

Type: Plasmid

Proper Citation

RRID:Addgene_106175

Plasmid Information

URL: <http://www.addgene.org/106175>

Proper Citation: RRID:Addgene_106175

Insert Name: SF-iGluSnFR.A184V

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30377363](#)

Vector Backbone Description: Backbone Size:4373; Vector Backbone:pAAV.hSynapsin; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: ** A newer version of this sensor is available. Please see iGluSnFR3 plasmids at <https://www.addgene.org/browse/article/28220233/> **

Plasmid Name: pAAV.hSynapsin.SF-iGluSnFR.A184V

Relevant Mutation: Glu: A184V

Record Creation Time: 20220422T221515+0000

Record Last Update: 20220422T221613+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.hSynapsin.SF-iGluSnFR.A184V.

No alerts have been found for pAAV.hSynapsin.SF-iGluSnFR.A184V.

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 [FDI Lab - SciCrunch.org](#).

Tagliatti E, et al. (2024) Trem2 expression in microglia is required to maintain normal neuronal bioenergetics during development. Immunity, 57(1), 86.

Wu Z, et al. (2022) A sensitive GRAB sensor for detecting extracellular ATP in vitro and in vivo. Neuron, 110(5), 770.

Klatt O, et al. (2021) Endogenous β -neurexins on axons and within synapses show regulated dynamic behavior. Cell reports, 35(11), 109266.

Vevea JD, et al. (2020) Acute disruption of the synaptic vesicle membrane protein synaptotagmin 1 using knockoff in mouse hippocampal neurons. eLife, 9.