

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pAAV-hsyn-GRAB_ATP1.0mut

RRID:Addgene_167578

Type: Plasmid

Proper Citation

RRID:Addgene_167578

Plasmid Information

URL: <http://www.addgene.org/167578>

Proper Citation: RRID:Addgene_167578

Insert Name: ATP-insensitive sensor GRAB_ATP1.0mut (control sensor)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34942116](#)

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

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2021.02.24.432680v1> for bioRxiv preprint.

Plasmid Name: pAAV-hsyn-GRAB_ATP1.0mut

Record Creation Time: 20220422T221941+0000

Record Last Update: 20260815T080945+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-hsyn-GRAB_ATP1.0mut.

No alerts have been found for pAAV-hsyn-GRAB_ATP1.0mut.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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