

Resource Summary Report

Generated by [NIF](#) on Sep 4, 2026

pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRES

RRID:Addgene_165430

Type: Plasmid

Proper Citation

RRID:Addgene_165430

Plasmid Information

URL: <http://www.addgene.org/165430>

Proper Citation: RRID:Addgene_165430

Insert Name: FHS-paCaMKII(SD)

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33531495](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRES

Relevant Mutation: C450A, L514K, G528A, L531E, N538E: Light-insensitive mutations

Record Creation Time: 20220422T221933+0000

Record Last Update: 20260902T042659+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRES.

No alerts have been found for pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRES.

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 [NIF](#) .

Martínez-Blanco E, et al. (2025) CaMK2rep: A Highly Sensitive Genetically Encoded Biosensor for Monitoring CaMKII Activity in Mammalian Cells. Analytical chemistry, 97(37), 20275.