

# Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

## pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRE3

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)-WPRE3

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

**Record Creation Time:** 20220422T221933+0000

**Record Last Update:** 20260801T080726+0000

### Ratings and Alerts

No rating or validation information has been found for pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRE3.

No alerts have been found for pAAV-CaMP0.4-FHS-paCaMKII(SD)-WPRE3.

### 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 [dkNET](#) .

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.