

Resource Summary Report

Generated by [dkNET](#) on Aug 26, 2026

GFP-C1-CAMKIIalpha-K42R

RRID:Addgene_21221

Type: Plasmid

Proper Citation

RRID:Addgene_21221

Plasmid Information

URL: <http://www.addgene.org/21221>

Proper Citation: RRID:Addgene_21221

Insert Name: CAMKIIalpha-K42R

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:10102820](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:0; Vector Backbone:C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: GFP-C1-CAMKIIalpha-K42R

Relevant Mutation: K42R (Lab plasmid KS 0007).

Record Creation Time: 20220422T222054+0000

Record Last Update: 20260826T041619+0000

Ratings and Alerts

No rating or validation information has been found for GFP-C1-CAMKIIalpha-K42R.

No alerts have been found for GFP-C1-CAMKIIalpha-K42R.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Guo X, et al. (2021) Preservation of vision after CaMKII-mediated protection of retinal ganglion cells. Cell, 184(16), 4299.

Richardson BD, et al. (2016) Membrane potential shapes regulation of dopamine transporter trafficking at the plasma membrane. Nature communications, 7, 10423.

Wang Q, et al. (2016) Mechanistic study of TRPM2-Ca(2+)-CAMK2-BECN1 signaling in oxidative stress-induced autophagy inhibition. Autophagy, 12(8), 1340.