

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pEGFP-C1-CaMKIIbeta(K43R)

RRID:Addgene_21225

Type: Plasmid

Proper Citation

RRID:Addgene_21225

Plasmid Information

URL: <http://www.addgene.org/21225>

Proper Citation: RRID:Addgene_21225

Insert Name: CaMKIIbeta(K43R)

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: pEGFP-C1-CaMKIIbeta(K43R)

Relevant Mutation: CaMKIIbeta(K43R) Lab plasmid CF 0003.

Record Creation Time: 20220422T222054+0000

Record Last Update: 20260725T074424+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-C1-CaMKIIbeta(K43R).

No alerts have been found for pEGFP-C1-CaMKIIbeta(K43R).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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

Zemoura K, et al. (2019) Ca²⁺/Calmodulin-Dependent Protein Kinase II (CaMKII) ??-Dependent Phosphorylation of GABAB1 Triggers Lysosomal Degradation of GABAB Receptors via Mind Bomb-2 (MIB2)-Mediated Lys-63-Linked Ubiquitination. *Molecular neurobiology*, 56(2), 1293.