

Resource Summary Report

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

pSG5-FLAG-CaMKKbeta rat 1-460

RRID:Addgene_33324

Type: Plasmid

Proper Citation

RRID:Addgene_33324

Plasmid Information

URL: <http://www.addgene.org/33324>

Proper Citation: RRID:Addgene_33324

Insert Name: Calcium/Calmodulin dependent protein kinase kinase beta

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21807092](#)

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:4100; Vector Backbone:pSG5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The truncation was made by placing a stop codon at 460, but sequence was not actually removed. The S3V, G96R, and P108L "mutations" were present in the original version of rat CaMKKbeta cloned by the Means lab. They believe these sequence differences represent a natural variant of the CaMKKbeta sequence and are not mutations.

Plasmid Name: pSG5-FLAG-CaMKKbeta rat 1-460

Relevant Mutation: truncated at 460; S3V, G96R, and P108L also present

Record Creation Time: 20220422T222145+0000

Record Last Update: 20260725T074558+0000

Ratings and Alerts

No rating or validation information has been found for pSG5-FLAG-CaMKKbeta rat 1-460.

No alerts have been found for pSG5-FLAG-CaMKKbeta rat 1-460.

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](#) .

Li B, et al. (2020) Neuronal Inactivity Co-opts LTP Machinery to Drive Potassium Channel Splicing and Homeostatic Spike Widening. Cell, 181(7), 1547.

Hall DP, et al. (2014) TRPM3 and miR-204 establish a regulatory circuit that controls oncogenic autophagy in clear cell renal cell carcinoma. Cancer cell, 26(5), 738.