

# Resource Summary Report

Generated by [dkNET](#) on Sep 23, 2026

## pSG5-FLAG-CaMKKbeta rat D311A

RRID:Addgene\_32451

Type: Plasmid

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### Proper Citation

RRID:Addgene\_32451

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### Plasmid Information

**URL:** <http://www.addgene.org/32451>

**Proper Citation:** RRID:Addgene\_32451

**Insert Name:** Calcium/Calmodulin dependent protein kinase kinase beta

**Organism:** Rattus norvegicus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:18460329](#)

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

**Comments:** 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 D311A

**Relevant Mutation:** D311A (S3V, G96R, and P108L also present)

**Record Creation Time:** 20220422T222141+0000

**Record Last Update:** 20260919T091708+0000

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### Ratings and Alerts

No rating or validation information has been found for pSG5-FLAG-CaMKKbeta rat D311A.

No alerts have been found for pSG5-FLAG-CaMKKbeta rat D311A.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.