

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pRSV-PKImut-v2

RRID:Addgene_45067

Type: Plasmid

Proper Citation

RRID:Addgene_45067

Plasmid Information

URL: <http://www.addgene.org/45067>

Proper Citation: RRID:Addgene_45067

Insert Name: cAMP-dependent protein kinase inhibitor alpha

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Maurer lab; Backbone Size:4265; Vector Backbone:pRSV-link; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Derived from RSV-PKI constructed by the Maurer lab and described in Day et al., J. Biol. Chem. 264, 431-436, 1989. Altered to add a Kozak consensus translation initiation sequence and also the ori was changed to yield high copy number in E coli.

Plasmid Name: pRSV-PKImut-v2

Relevant Mutation: changed Arg 20 & 21 to Glycines

Record Creation Time: 20220422T222232+0000

Record Last Update: 20260815T081520+0000

Ratings and Alerts

No rating or validation information has been found for pRSV-PKImut-v2.

No alerts have been found for pRSV-PKImut-v2.

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 [RRID](#) .

Taylor EJA, et al. (2017) Prostaglandin E2 Inhibits Histamine-Evoked Ca²⁺ Release in Human Aortic Smooth Muscle Cells through Hyperactive cAMP Signaling Junctions and Protein Kinase A. Molecular pharmacology, 92(5), 533.