Resource Summary Report

Generated by RRID on Aug 24, 2026

pCalpha EV (PKA catalytic subunit Calpha)

RRID:Addgene_15310
Type: Plasmid

Proper Citation

RRID:Addgene_15310

Plasmid Information

URL: http://www.addgene.org/15310

Proper Citation: RRID:Addgene_15310

Insert Name: PRKACA

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:3667630

Vector Backbone Description: Backbone Marker:Dr. Richard Palmiter; Backbone Size:4100; Vector Backbone:Zem3 (pUC13 + MT prom + hGH polyA); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Zem3 is a pUC13 derivative that contains a mouse metallothionein-I promoter and the human growth hormone pol(A) region separated by a BglII restriction site. pCalpha EV was constructed by isolating the 1318 base pair NaeI/PvuII fragment of pMCalpha and inserting it into the BglII site of Zem3 after ligation of BamHI linkers onto the cDNA insert. The coding sequence can be cut out with NcoI and ApaI, which should release a 1152bp fragment.

Plasmid Name: pCalpha EV (PKA catalytic subunit Calpha)

Record Creation Time: 20220422T221838+0000

Record Last Update: 20260815T080733+0000

Ratings and Alerts

No rating or validation information has been found for pCalpha EV (PKA catalytic subunit Calpha).

No alerts have been found for pCalpha EV (PKA catalytic subunit Calpha).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Kang HS, et al. (2024) GLIS3 expression in the thyroid gland in relation to TSH signaling and regulation of gene expression. Cellular and molecular life sciences : CMLS, 81(1), 65.

Kapadia B, et al. (2023) PIMT regulates hepatic gluconeogenesis in mice. iScience, 26(3), 106120.

Sepp M, et al. (2017) The Intellectual Disability and Schizophrenia Associated Transcription Factor TCF4 Is Regulated by Neuronal Activity and Protein Kinase A. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(43), 10516.

Komal P, et al. (2015) cAMP-dependent protein kinase inhibits ??7 nicotinic receptor activity in layer 1 cortical interneurons through activation of D1/D5 dopamine receptors. The Journal of physiology, 593(16), 3513.

Chang SY, et al. (2012) Molecular mechanisms of early growth response protein-1 (EGR-1) expression by quercetin in INS-1 beta-cells. Journal of cellular biochemistry, 113(5), 1559.

Ditte P, et al. (2011) Phosphorylation of carbonic anhydrase IX controls its ability to mediate extracellular acidification in hypoxic tumors. Cancer research, 71(24), 7558.