

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

MyrPalm-CKAR

RRID:Addgene_14862

Type: Plasmid

Proper Citation

RRID:Addgene_14862

Plasmid Information

URL: <http://www.addgene.org/14862>

Proper Citation: RRID:Addgene_14862

Insert Name: C kinase activity reporter

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12782683](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The MyrPalm tag in this plasmid uses the Lyn kinase amino terminal sequence of MGCIKSK from UniProtKB reference sequence P07948.3. This sequence encodes for myristoylation and palmitoylation, shown previously to be sufficient to target a protein to the plasma membrane.

Plasmid Name: MyrPalm-CKAR

Record Creation Time: 20220422T221826+0000

Record Last Update: 20260815T080710+0000

Ratings and Alerts

No rating or validation information has been found for MyrPalm-CKAR.

No alerts have been found for MyrPalm-CKAR.

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 [NIF](#) .

Ortiz-Sanz C, et al. (2022) Amyloid β / PKC-dependent alterations in NMDA receptor composition are detected in early stages of Alzheimer's disease. *Cell death & disease*, 13(3), 253.

Yang JM, et al. (2021) Deciphering cell signaling networks with massively multiplexed biosensor barcoding. *Cell*, 184(25), 6193.

Ercole F, et al. (2016) Macromolecular Hydrogen Sulfide Donors Trigger Spatiotemporally Confined Changes in Cell Signaling. *Biomacromolecules*, 17(1), 371.

Halls ML, et al. (2016) Plasma membrane localization of the μ -opioid receptor controls spatiotemporal signaling. *Science signaling*, 9(414), ra16.

Greenwald EC, et al. (2014) Scaffold state switching amplifies, accelerates, and insulates protein kinase C signaling. *The Journal of biological chemistry*, 289(4), 2353.

Hong NJ, et al. (2010) PKC- α mediates flow-stimulated superoxide production in thick ascending limbs. *American journal of physiology. Renal physiology*, 298(4), F885.