

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

[AKARet-cyto](#)

RRID:Addgene_96897

Type: Plasmid

Proper Citation

RRID:Addgene_96897

Plasmid Information

URL: <http://www.addgene.org/96897>

Proper Citation: RRID:Addgene_96897

Insert Name: FLIM Sensor for PKA Activity in Cytosol

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28285819](#)

Vector Backbone Description: Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Harvey, C.D., Ehrhardt, A.G., Cellurale, C., Zhong, H., Yasuda, R., Davis, R.J., and Svoboda, K. (2008). A genetically encoded fluorescent sensor of ERK activity. *Proc. Natl. Acad. Sci. USA* 105, 19264–19269. Komatsu, N., Aoki, K., Yamada, M., Yukinaga, H., Fujita, Y., Kamioka, Y., and Matsuda, M. (2011). Development of an optimized backbone of FRET biosensors for kinases and GTPases. *Mol. Biol. Cell* 22, 4647–4656.

Plasmid Name: AKARet-cyto

Record Creation Time: 20220422T222625+0000

Record Last Update: 20260902T050529+0000

Ratings and Alerts

No rating or validation information has been found for AKARet-cyto.

No alerts have been found for AKARet-cyto.

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](#) .

Ma L, et al. (2018) A Highly Sensitive A-Kinase Activity Reporter for Imaging Neuromodulatory Events in Awake Mice. Neuron, 99(4), 665.