

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

nuclear EKAR (EGFP-mRFP)

RRID:Addgene_18682

Type: Plasmid

Proper Citation

RRID:Addgene_18682

Plasmid Information

URL: <http://www.addgene.org/18682>

Proper Citation: RRID:Addgene_18682

Insert Name: ERK Activity Reporter

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19033456](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4000; Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: nuclear EKAR (EGFP-mRFP)

Record Creation Time: 20220422T222041+0000

Record Last Update: 20260725T074402+0000

Ratings and Alerts

No rating or validation information has been found for nuclear EKAR (EGFP-mRFP).

No alerts have been found for nuclear EKAR (EGFP-mRFP).

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](#) .

Zhang Y, et al. (2024) Redox-modulated SNX25 as a novel regulator of GPCR-G protein signaling from endosomes. *Redox biology*, 75, 103253.

Nemec K, et al. (2022) Functional modulation of PTH1R activation and signaling by RAMP2. *Proceedings of the National Academy of Sciences of the United States of America*, 119(32), e2122037119.

Roberts MJ, et al. (2021) Inhibition of the Proliferation of Human Lung Fibroblasts by Prostacyclin Receptor Agonists is Linked to a Sustained cAMP Signal in the Nucleus. *Frontiers in pharmacology*, 12, 669227.

Civciristov S, et al. (2019) Ligand-dependent spatiotemporal signaling profiles of the μ -opioid receptor are controlled by distinct protein-interaction networks. *The Journal of biological chemistry*, 294(44), 16198.

Civciristov S, et al. (2018) Preassembled GPCR signaling complexes mediate distinct cellular responses to ultralow ligand concentrations. *Science signaling*, 11(551).

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