

# Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

## pLentiEKAR2G2

RRID:Addgene\_40178

Type: Plasmid

---

### Proper Citation

RRID:Addgene\_40178

---

### Plasmid Information

**URL:** <http://www.addgene.org/40178>

**Proper Citation:** RRID:Addgene\_40178

**Insert Name:** Erk activity reporter

**Organism:** Synthetic

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:23882122](#)

**Vector Backbone Description:** Backbone Marker:unknown; Backbone Size:7711; Vector Backbone:pLenti pRRL-SV40(puro)\_CMV(mcs); Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

**Comments:** A genetically encoded fluorescent sensor of ERK activity. 2008. PNAS 205(49)

**Plasmid Name:** pLentiEKAR2G2

**Record Creation Time:** 20220422T222209+0000

**Record Last Update:** 20260815T081434+0000

---

### Ratings and Alerts

No rating or validation information has been found for pLentiEKAR2G2.

No alerts have been found for pLentiEKAR2G2.

---

### Data and Source Information

Source: [Addgene](#)

---

## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Socodato R, et al. (2023) RhoA balances microglial reactivity and survival during neuroinflammation. Cell death & disease, 14(10), 690.

Redchuk TA, et al. (2020) Optogenetic regulation of endogenous proteins. Nature communications, 11(1), 605.

Blum Y, et al. (2017) Measuring ERK Activity Dynamics in Single Living Cells Using FRET Biosensors. Methods in molecular biology (Clifton, N.J.), 1487, 203.