

Resource Summary Report

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

pTriExEKAR2G1

RRID:Addgene_40174

Type: Plasmid

Proper Citation

RRID:Addgene_40174

Plasmid Information

URL: <http://www.addgene.org/40174>

Proper Citation: RRID:Addgene_40174

Insert Name: Erk activity reporter

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23882122](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:4900; Vector Backbone:pTriEx4; Vector Types:Mammalian Expression, Bacterial Expression, Insect Expression; Bacterial Resistance:Ampicillin

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

Plasmid Name: pTriExEKAR2G1

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260815T081434+0000

Ratings and Alerts

No rating or validation information has been found for pTriExEKAR2G1.

No alerts have been found for pTriExEKAR2G1.

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](#) .

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.