

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pLuc-OptoJNKi

RRID:Addgene_89744

Type: Plasmid

Proper Citation

RRID:Addgene_89744

Plasmid Information

URL: <http://www.addgene.org/89744>

Proper Citation: RRID:Addgene_89744

Insert Name: OptoJNKi

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:28497795](#)

Vector Backbone Description: Backbone Marker:Derived by our lab using pExFP-C1 and pGL3; Backbone Size:5673; Vector Backbone:pLuc-C1; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Kanamycin

Comments: Please see Melero-Fernandez de Mera RM*, Li LL*, Popinigis A, Cisek K, Tuittila M, Yadav L, Serva A, Courtney MJ (2017) A simple optogenetic MAPK inhibitor design reveals resonance between transcription-regulating circuitry and temporally-encoded inputs. Nat. Commun. 8, 15017 doi: 10.1038/ncomms15017 in press.

Plasmid Name: pLuc-OptoJNKi

Record Creation Time: 20220422T222610+0000

Record Last Update: 20260815T082200+0000

Ratings and Alerts

No rating or validation information has been found for pLuc-OptoJNKi.

No alerts have been found for pLuc-OptoJNKi.

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](#) .

Li LL, et al. (2020) Resonance energy transfer sensitises and monitors in situ switching of LOV2-based optogenetic actuators. Nature communications, 11(1), 5107.