

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pLSSmOrange-N1

RRID:Addgene_37130

Type: Plasmid

Proper Citation

RRID:Addgene_37130

Plasmid Information

URL: <http://www.addgene.org/37130>

Proper Citation: RRID:Addgene_37130

Insert Name: LSSmOrange

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22486524](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4013; Vector Backbone:pN1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pLSSmOrange-N1

Relevant Mutation: A44V/F84L/W145M/I165D/M167L/G202D compared to mOrange (but numbering relative to EGFP)

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081412+0000

Ratings and Alerts

No rating or validation information has been found for pLSSmOrange-N1.

No alerts have been found for pLSSmOrange-N1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Ruigrok HJ, et al. (2017) Full-Spectral Multiplexing of Bioluminescence Resonance Energy Transfer in Three TRPV Channels. Biophysical journal, 112(1), 87.

Demeautis C, et al. (2017) Multiplexing PKA and ERK1&2 kinases FRET biosensors in living cells using single excitation wavelength dual colour FLIM. Scientific reports, 7, 41026.