

Resource Summary Report

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

[pLuc-Optop38i-dsm](#)

RRID:Addgene_89748

Type: Plasmid

Proper Citation

RRID:Addgene_89748

Plasmid Information

URL: <http://www.addgene.org/89748>

Proper Citation: RRID:Addgene_89748

Insert Name: Optop38i dark-state mutant

Organism: Homo sapiens

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: For further information 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.

Plasmid Name: pLuc-Optop38i-dsm

Relevant Mutation: C450A mutation of AsLov2Jalpha

Record Creation Time: 20220422T222610+0000

Record Last Update: 20260815T082200+0000

Ratings and Alerts

No rating or validation information has been found for pLuc-Optop38i-dsm.

No alerts have been found for pLuc-Optop38i-dsm.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.