

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

pTiger-OptoSOS

RRID:Addgene_86439

Type: Plasmid

Proper Citation

RRID:Addgene_86439

Plasmid Information

URL: <http://www.addgene.org/86439>

Proper Citation: RRID:Addgene_86439

Insert Name: OptoSOS

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28118601](#)

Vector Backbone Description: Backbone Size:10100; Vector Backbone:pTIGER; Vector Types:Insect Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTiger-OptoSOS

Record Creation Time: 20220422T222555+0000

Record Last Update: 20260815T082134+0000

Ratings and Alerts

No rating or validation information has been found for pTiger-OptoSOS.

No alerts have been found for pTiger-OptoSOS.

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](#) .

Dessauges C, et al. (2022) Optogenetic actuator - ERK biosensor circuits identify MAPK network nodes that shape ERK dynamics. Molecular systems biology, 18(6), e10670.

Goglia AG, et al. (2020) A Live-Cell Screen for Altered Erk Dynamics Reveals Principles of Proliferative Control. Cell systems, 10(3), 240.