

Resource Summary Report

Generated by [dkNET](#) on Aug 11, 2026

pKL11-GCaMP6f bb100

RRID:Addgene_158983

Type: Plasmid

Proper Citation

RRID:Addgene_158983

Plasmid Information

URL: <http://www.addgene.org/158983>

Proper Citation: RRID:Addgene_158983

Insert Name: GCaMP6f

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32748785](#)

Vector Backbone Description: Backbone Size:2300; Vector Backbone:bb118; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: GCaMP6f was engineered in the paper above, then codon optimized for E. coli on a G-block and cloned into our bb100 backbone to facilitate constitutive expression . Please visit <https://doi.org/10.1101/2020.04.23.058362> for bioRxiv preprint.

Plasmid Name: pKL11-GCaMP6f bb100

Relevant Mutation: codon optimized for e. coli from Addgene#100833

Record Creation Time: 20220422T221901+0000

Record Last Update: 20260808T081042+0000

Ratings and Alerts

No rating or validation information has been found for pKL11-GCaMP6f bb100.

No alerts have been found for pKL11-GCaMP6f bb100.

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 [dkNET](#) .

Akabuogu E, et al. (2025) Emergence of ion-channel-mediated electrical oscillations in Escherichia coli biofilms. eLife, 13.