

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pAAV-CAG-LiLac

RRID:Addgene_184570

Type: Plasmid

Proper Citation

RRID:Addgene_184570

Plasmid Information

URL: <http://www.addgene.org/184570>

Proper Citation: RRID:Addgene_184570

Insert Name: LiLac fluorescent sensor of lactate

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35614105](#)

Vector Backbone Description: Vector Backbone:pAAV-CAG; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: mTurquoise2 sequences are originally from Goedhart, J. et al. Structure-guided evolution of cyan fluorescent proteins towards a quantum yield of 93%. Nat Commun 3, 751 (2012) and were obtained by PCR from the plasmid encoding the Lck-cpmTq2-Calcium-lifetime-sensor (Addgene plasmid #129627) (A turquoise fluorescence lifetime-based biosensor for quantitative imaging of intracellular calcium. van der Linden FH, Mahlandt EK, Arts JJG, Beumer J, Puschhof J, de Man SMA, Chertkova AO, Ponsioen B, Clevers H, van Buul JD, Postma M, Gadella TWJ Jr, Goedhart J. Nat Commun. 2021 Dec 9;12(1):7159. doi: 10.1038/s41467-021-27249-w.)

Plasmid Name: pAAV-CAG-LiLac

Record Creation Time: 20220528T080210+0000

Record Last Update: 20260815T082302+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CAG-LiLac.

No alerts have been found for pAAV-CAG-LiLac.

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](#) .

Rauseo D, et al. (2026) Mitochondrial lactate venting limits oxidative stress. Cell metabolism, 38(6), 1130.