Resource Summary Report

Generated by RRID on Aug 22, 2026

VV247: sdChR(C138S)-TS-GCaMP6f-ER in fck

RRID:Addgene_58522
Type: Plasmid

Proper Citation

RRID:Addgene_58522

Plasmid Information

URL: http://www.addgene.org/58522

Proper Citation: RRID:Addgene_58522

Insert Name: sdChR(C138S)-TS-GCaMP6f-ER

Organism: Scherffelia dubia

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25296307

Vector Backbone Description: Backbone Size:9240; Vector Backbone:FCK(1.3)GW, from Addgene 22217; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: sdChR was first published in: Klapoetke, N. C., Y. Murata, S.S. Kim, S.R. Pulver, A. Birdsey-Benson, Y.K. Cho, T.K. Morimoto, A.S. Chuong, E.J. Carpenter and Z. Tian. 2014. Independent optical excitation of distinct neural populations. Nat. Meth. 11, 338-346. GCaMP6f was published in: Ultrasensitive fluorescent proteins for imaging neuronal activity. Chen et al (Nature. 2013 Jul 18;499(7458):295-300. doi: 10.1038/nature12354.)

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Relevant Mutation: changed Cysteine 138 to Serine

Record Creation Time: 20220422T222339+0000

Record Last Update: 20260815T081717+0000

Ratings and Alerts

No rating or validation information has been found for VV247: sdChR(C138S)-TS-GCaMP6f-ER in fck.

No alerts have been found for VV247: sdChR(C138S)-TS-GCaMP6f-ER in fck.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.