

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

VV229: GCaMP6f in fck

RRID:Addgene_58514

Type: Plasmid

Proper Citation

RRID:Addgene_58514

Plasmid Information

URL: <http://www.addgene.org/58514>

Proper Citation: RRID:Addgene_58514

Insert Name: GCaMP6f

Organism: Rattus norvegicus

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: Please see Addgene plasmid 40755 for more information on GCaMP6f; also note that 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.)

Plasmid Name: VV229: GCaMP6f in fck

Record Creation Time: 20220422T222339+0000

Record Last Update: 20260815T081717+0000

Ratings and Alerts

No rating or validation information has been found for VV229: GCaMP6f in fck.

No alerts have been found for VV229: GCaMP6f in fck.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Scheefhals N, et al. (2023) mGluR5 is transiently confined in perisynaptic nanodomains to shape synaptic function. Nature communications, 14(1), 244.

Park J, et al. (2022) Motor cortical output for skilled forelimb movement is selectively distributed across projection neuron classes. Science advances, 8(10), eabj5167.

Lindhout FW, et al. (2019) VAP-SCRN1 interaction regulates dynamic endoplasmic reticulum remodeling and presynaptic function. The EMBO journal, 38(20), e101345.