

Resource Summary Report

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

pAAV-GFAP-mKate2.5f

RRID:Addgene_99129

Type: Plasmid

Proper Citation

RRID:Addgene_99129

Plasmid Information

URL: <http://www.addgene.org/99129>

Proper Citation: RRID:Addgene_99129

Insert Name: mKate2.5f

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28671695](#)

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

Comments: The depositing laboratory has confirmed that sequence discrepancies between the Addgene NGS Result and the provided pAAV-GFAP-mKate2.5f.gb do not affect plasmid function. The left ITR in this construct contains a 22bp deletion. We have not observed this change to impact vector production or function.

Plasmid Name: pAAV-GFAP-mKate2.5f

Record Creation Time: 20220422T222633+0000

Record Last Update: 20260815T082245+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-GFAP-mKate2.5f.

No alerts have been found for pAAV-GFAP-mKate2.5f.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Heo EY, et al. (2025) Impaired neuromodulator crosstalk delays arousal-dependent astroglia Ca²⁺ activation in mouse models of Alzheimer's disease. *iScience*, 28(8), 113120.

Dirvelyte E, et al. (2023) Genetically encoded phosphatidylserine biosensor for in vitro, ex vivo and in vivo labelling. *Cellular & molecular biology letters*, 28(1), 59.

Gray SR, et al. (2021) Noradrenergic terminal short-term potentiation enables modality-selective integration of sensory input and vigilance state. *Science advances*, 7(51), eabk1378.

Men Y, et al. (2020) Astroglial FMRP deficiency cell-autonomously up-regulates miR-128 and disrupts developmental astroglial mGluR5 signaling. *Proceedings of the National Academy of Sciences of the United States of America*, 117(40), 25092.