

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 26, 2026

pZac2.1 gfaABC1D-EGFP-Kir4.1

RRID:Addgene_52874

Type: Plasmid

Proper Citation

RRID:Addgene_52874

Plasmid Information

URL: <http://www.addgene.org/52874>

Proper Citation: RRID:Addgene_52874

Insert Name: Kir4.1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24686787](#)

Vector Backbone Description: Vector Backbone:pZac 2.1; Vector Types:Mammalian Expression, AAV, Adeno-Associated Virus (); Bacterial Resistance:Ampicillin

Plasmid Name: pZac2.1 gfaABC1D-EGFP-Kir4.1

Record Creation Time: 20220422T222310+0000

Record Last Update: 20260815T081630+0000

Ratings and Alerts

No rating or validation information has been found for pZac2.1 gfaABC1D-EGFP-Kir4.1.

No alerts have been found for pZac2.1 gfaABC1D-EGFP-Kir4.1.

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 [PRECISE-TBI](#) .

Soto JS, et al. (2023) Astrocyte-neuron subproteomes and obsessive-compulsive disorder mechanisms. *Nature*, 616(7958), 764.

Kelley KW, et al. (2018) Kir4.1-Dependent Astrocyte-Fast Motor Neuron Interactions Are Required for Peak Strength. *Neuron*, 98(2), 306.

Vagner T, et al. (2016) Systemic application of AAV vectors targeting GFAP-expressing astrocytes in Z-Q175-KI Huntington's disease mice. *Molecular and cellular neurosciences*, 77, 76.