

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pGEMTEZ-Kir2.1

RRID:Addgene_32641

Type: Plasmid

Proper Citation

RRID:Addgene_32641

Plasmid Information

URL: <http://www.addgene.org/32641>

Proper Citation: RRID:Addgene_32641

Insert Name: Kir2.1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15157418](#)

Vector Backbone Description: Backbone Marker:Promega; Vector Backbone:pGEM-T Easy; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Addgene's sequencing results identified a single nucleotide insertion at bp#60/61 when compared to the author's sequence. The insert is upstream of the coding region and should not be a concern for the intended purpose of the plasmid. Silent mutations in Kir2.1 that do not affect the amino acid sequence were also found in Addgene's sequencing results.

Plasmid Name: pGEMTEZ-Kir2.1

Record Creation Time: 20220422T222142+0000

Record Last Update: 20260815T081348+0000

Ratings and Alerts

No rating or validation information has been found for pGEMTEZ-Kir2.1.

No alerts have been found for pGEMTEZ-Kir2.1.

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 [RRID](#) .

Thomas M, et al. (2020) Optically activated, customizable, excitable cells. PloS one, 15(12), e0229051.

Abdelfattah AS, et al. (2016) A Bright and Fast Red Fluorescent Protein Voltage Indicator That Reports Neuronal Activity in Organotypic Brain Slices. The Journal of neuroscience : the official journal of the Society for Neuroscience, 36(8), 2458.

Zou P, et al. (2014) Bright and fast multicoloured voltage reporters via electrochromic FRET. Nature communications, 5, 4625.