Resource Summary Report

Generated by RRID on Aug 23, 2026

Kv7.1/pcDNA3.1

RRID:Addgene_111452
Type: Plasmid

Proper Citation

RRID:Addgene_111452

Plasmid Information

URL: http://www.addgene.org/111452

Proper Citation: RRID:Addgene_111452

Insert Name: potassium voltage-gated channel subfamily KQT member 1 isoform 1 [Homo sapiens]

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:29429937

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Kv7.1/pcDNA3.1

Record Creation Time: 20220422T221542+0000

Record Last Update: 20260815T080150+0000

Ratings and Alerts

No rating or validation information has been found for Kv7.1/pcDNA3.1.

No alerts have been found for Kv7.1/pcDNA3.1.

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 .

Yoshinaga D, et al. (2025) Dysregulation of N-terminal acetylation causes cardiac arrhythmia and cardiomyopathy. Nature communications, 16(1), 3604.

Kojima T, et al. (2021) Cell death-inducing cytotoxicity in truncated KCNQ4 variants associated with DFNA2 hearing loss. Disease models & mechanisms, 14(11).

Castello-Serrano I, et al. (2020) Myelin-Associated MAL and PLP Are Unusual among Multipass Transmembrane Proteins in Preferring Ordered Membrane Domains. The journal of physical chemistry. B, 124(28), 5930.

Taylor KC, et al. (2020) Structure and physiological function of the human KCNQ1 channel voltage sensor intermediate state. eLife, 9.