

# Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

## Kv7.1/pcDNA3.1

RRID:Addgene\_111452

Type: Plasmid

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### Proper Citation

RRID:Addgene\_111452

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### 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:** 20260725T073509+0000

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### 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.

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### 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 [dkNET](#) .

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.