

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 5, 2026

pcDNA3.1(+)-ExRai-AKAR2(T/A)

RRID:Addgene_161754

Type: Plasmid

Proper Citation

RRID:Addgene_161754

Plasmid Information

URL: <http://www.addgene.org/161754>

Proper Citation: RRID:Addgene_161754

Insert Name: ExRai-AKAR2(T/A)

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32989297](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5513; Vector Backbone:pcDNA3.1+; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1(+)-ExRai-AKAR2(T/A)

Relevant Mutation: Contains Thr-to-Ala mutation in substrate sequence.

Record Creation Time: 20220422T221915+0000

Record Last Update: 20260905T075051+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1(+)-ExRai-AKAR2(T/A).

No alerts have been found for pcDNA3.1(+)-ExRai-AKAR2(T/A).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Zhang JF, et al. (2022) Protocol for reading and imaging live-cell PKA activity using ExRai-AKAR2. STAR protocols, 3(1), 101071.