

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

AKT1 gRNA (BRDN0001146935)

RRID:Addgene_75500

Type: Plasmid

Proper Citation

RRID:Addgene_75500

Plasmid Information

URL: <http://www.addgene.org/75500>

Proper Citation: RRID:Addgene_75500

Insert Name: AKT1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26780180](#)

Vector Backbone Description: Backbone Marker:Zhang Lab (Addgene plasmid # 52963); Vector Backbone:lentiGuide-Puro; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: The gRNA was designed to target the following Genbank reference sequence(s): NM_001014431.1,NM_001014432.1,NM_005163.2. Note that this plasmid does NOT contain Cas9. It should be used in conjunction with lentiCas9-Blast (Addgene #52962) or otherwise with cell lines already expressing Cas9. Browse the full kinome gRNA library at <http://www.addgene.org/pooled-library/broadgpp-human-kinome/> or visit <http://www.broadinstitute.org/rnai/public/> for detailed protocols and information.

Plasmid Name: AKT1 gRNA (BRDN0001146935)

Record Creation Time: 20220422T222458+0000

Record Last Update: 20260815T081946+0000

Ratings and Alerts

No rating or validation information has been found for AKT1 gRNA (BRDN0001146935).

No alerts have been found for AKT1 gRNA (BRDN0001146935).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Quambusch L, et al. (2021) Cellular model system to dissect the isoform-selectivity of Akt inhibitors. Nature communications, 12(1), 5297.

Kostaras E, et al. (2020) A systematic molecular and pharmacologic evaluation of AKT inhibitors reveals new insight into their biological activity. British journal of cancer, 123(4), 542.