

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

PRKDC gRNA (BRDN0001146589)

RRID:Addgene_77861

Type: Plasmid

Proper Citation

RRID:Addgene_77861

Plasmid Information

URL: <http://www.addgene.org/77861>

Proper Citation: RRID:Addgene_77861

Insert Name: PRKDC

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_001081640.1,NM_006904.6. 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: PRKDC gRNA (BRDN0001146589)

Record Creation Time: 20220422T222513+0000

Record Last Update: 20260815T082019+0000

Ratings and Alerts

No rating or validation information has been found for PRKDC gRNA (BRDN0001146589).

No alerts have been found for PRKDC gRNA (BRDN0001146589).

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](#) .

Liew H, et al. (2022) Combined DNA Damage Repair Interference and Ion Beam Therapy: Development, Benchmark, and Clinical Implications of a Mechanistic Biological Model. International journal of radiation oncology, biology, physics, 112(3), 802.

Dibitetto D, et al. (2022) DNA-PKcs promotes fork reversal and chemoresistance. Molecular cell, 82(20), 3932.