

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

[pX462-hPRKAA1-gRNA_B](#)

RRID:Addgene_74375

Type: Plasmid

Proper Citation

RRID:Addgene_74375

Plasmid Information

URL: <http://www.addgene.org/74375>

Proper Citation: RRID:Addgene_74375

Insert Name: human AMPK alpha 1 exon1 gRNA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26816379](#)

Vector Backbone Description: Backbone Marker: Addgene plasmid 48141; Vector Backbone:pX462; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pX462-hPRKAA1-gRNA_B

Record Creation Time: 20220422T222454+0000

Record Last Update: 20260826T042552+0000

Ratings and Alerts

No rating or validation information has been found for pX462-hPRKAA1-gRNA_B.

No alerts have been found for pX462-hPRKAA1-gRNA_B.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Lorenz NI, et al. (2025) AMP-activated protein kinase mediates adaptation of glioblastoma cells to conditions of the tumor microenvironment. Journal of experimental & clinical cancer research : CR, 44(1), 104.

Kim K, et al. (2024) Forchlorfenuron-Induced Mitochondrial Respiration Inhibition and Metabolic Shifts in Endometrial Cancer. Cancers, 16(5).

Chu X, et al. (2023) Gasdermin D-mediated pyroptosis is regulated by AMPK-mediated phosphorylation in tumor cells. Cell death & disease, 14(7), 469.