Resource Summary Report

Generated by NIF on Jul 30, 2026

pRK5 FLAG wildtype, catalytic active lipin 1

RRID:Addgene_32005
Type: Plasmid

Proper Citation

RRID:Addgene_32005

Plasmid Information

URL: http://www.addgene.org/32005

Proper Citation: RRID:Addgene_32005

Insert Name: lipin1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:21816276

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5 FLAG wildtype, catalytic active lipin 1

Record Creation Time: 20220422T222139+0000

Record Last Update: 20260725T074547+0000

Ratings and Alerts

No rating or validation information has been found for pRK5 FLAG wildtype, catalytic active lipin 1.

No alerts have been found for pRK5 FLAG wildtype, catalytic active lipin 1.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Chen CW, et al. (2024) NME3 is a gatekeeper for DRP1-dependent mitophagy in hypoxia. Nature communications, 15(1), 2264.

Lee S, et al. (2023) A membrane-sensing mechanism links lipid metabolism to protein degradation at the nuclear envelope. The Journal of cell biology, 222(9).

Jacquemyn J, et al. (2021) Torsin and NEP1R1-CTDNEP1 phosphatase affect interphase nuclear pore complex insertion by lipid-dependent and lipid-independent mechanisms. The EMBO journal, 40(17), e106914.

Merta H, et al. (2021) Cell cycle regulation of ER membrane biogenesis protects against chromosome missegregation. Developmental cell, 56(24), 3364.

Shimizu K, et al. (2017) The SCF??-TRCP E3 ubiquitin ligase complex targets Lipin1 for ubiquitination and degradation to promote hepatic lipogenesis. Science signaling, 10(460).

Jin Y, et al. (2014) Diacylglycerol acyltransferase-2 (DGAT2) and monoacylglycerol acyltransferase-2 (MGAT2) interact to promote triacylglycerol synthesis. The Journal of biological chemistry, 289(41), 28237.