

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pRK5 FLAG 17xS/T->A, catalytic active lipin 1

RRID:Addgene_32007

Type: Plasmid

Proper Citation

RRID:Addgene_32007

Plasmid Information

URL: <http://www.addgene.org/32007>

Proper Citation: RRID:Addgene_32007

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

Comments: The 17xS/T? A mutant encompasses the following residues: S106, S150, (S281, T282), S285, S287, S293, T298, S328, (S353, S356), S392, S468, S472, S483, S634, S635, (S647, S648). Residues in parentheses were both mutated to alanine because the singly phosphorylated site in each case could not be unambiguously determined by mass spectrometry S921A, S923A were previously reported to have been present in this plasmid, but these residues are in fact WT. This change should no affect the reported function.

Plasmid Name: pRK5 FLAG 17xS/T->A, catalytic active lipin 1

Relevant Mutation: S106A, S150A, (S281A, T282A), S285A, S287A, S293A, T298A, S328A, (S353A, S356A), S392A, S468A, S472A, S483A, S634A, S635A, (S647A, S648A)

Record Creation Time: 20220422T222139+0000

Record Last Update: 20260725T074547+0000

Ratings and Alerts

No rating or validation information has been found for pRK5 FLAG 17xS/T->A, catalytic active lipin 1.

No alerts have been found for pRK5 FLAG 17xS/T->A, catalytic active lipin 1.

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 [NIF](#) .

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.