

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

pRK5-p18-FLAG

RRID:Addgene_42331

Type: Plasmid

Proper Citation

RRID:Addgene_42331

Plasmid Information

URL: <http://www.addgene.org/42331>

Proper Citation: RRID:Addgene_42331

Insert Name: p18

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22980980](#)

Vector Backbone Description: Backbone Marker:BD PharMingen; Backbone Size:4661; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5-p18-FLAG

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260912T092710+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-p18-FLAG.

No alerts have been found for pRK5-p18-FLAG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Picot M, et al. (2026) Lysosomal phosphoinositide turnover acts upstream of RagGTPase-mTORC1 and controls muscle growth. *Nature metabolism*, 8(3), 624.

Sun J, et al. (2022) LAMTOR1 inhibition of TRPML1-dependent lysosomal calcium release regulates dendritic lysosome trafficking and hippocampal neuronal function. *The EMBO journal*, 41(5), e108119.

Sun J, et al. (2018) UBE3A-mediated p18/LAMTOR1 ubiquitination and degradation regulate mTORC1 activity and synaptic plasticity. *eLife*, 7.

Jia J, et al. (2018) Galectins Control mTOR in Response to Endomembrane Damage. *Molecular cell*, 70(1), 120.

Matsumoto A, et al. (2017) mTORC1 and muscle regeneration are regulated by the LINC00961-encoded SPAR polypeptide. *Nature*, 541(7636), 228.