Resource Summary Report

Generated by RRID on Aug 19, 2026

pRK7-HA-S6K1-KR

RRID:Addgene_8985
Type: Plasmid

Proper Citation

RRID:Addgene_8985

Plasmid Information

URL: http://www.addgene.org/8985

Proper Citation: RRID:Addgene_8985

Insert Name: S6K1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:11967149

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pRK7; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK7-HA-S6K1-KR

Relevant Mutation: K100R, kinase-inactive

Record Creation Time: 20220422T222610+0000

Record Last Update: 20260815T082201+0000

Ratings and Alerts

No rating or validation information has been found for pRK7-HA-S6K1-KR.

No alerts have been found for pRK7-HA-S6K1-KR.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Liu HJ, et al. (2023) mTORC1 upregulates B7-H3/CD276 to inhibit antitumor T cells and drive tumor immune evasion. Nature communications, 14(1), 1214.

Schilling M, et al. (2021) TOR signaling regulates liquid phase separation of the SMN complex governing snRNP biogenesis. Cell reports, 35(12), 109277.

Sfakianos AP, et al. (2018) The mTOR-S6 kinase pathway promotes stress granule assembly. Cell death and differentiation, 25(10), 1766.

Burke LK, et al. (2017) mTORC1 in AGRP neurons integrates exteroceptive and interoceptive food-related cues in the modulation of adaptive energy expenditure in mice. eLife, 6.

Glanz S, et al. (2016) Loss-of-Function of HtrA1 Abrogates All-Trans Retinoic Acid-Induced Osteogenic Differentiation of Mouse Adipose-Derived Stromal Cells Through Deficiencies in p70S6K Activation. Stem cells and development, 25(9), 687.

Dwyer JM, et al. (2015) Ribosomal protein S6 kinase 1 signaling in prefrontal cortex controls depressive behavior. Proceedings of the National Academy of Sciences of the United States of America, 112(19), 6188.

Mariappan MM, et al. (2008) Glycogen synthase kinase 3beta is a novel regulator of high glucose- and high insulin-induced extracellular matrix protein synthesis in renal proximal tubular epithelial cells. The Journal of biological chemistry, 283(45), 30566.

Zhang J, et al. (2008) S6K directly phosphorylates IRS-1 on Ser-270 to promote insulin resistance in response to TNF-(alpha) signaling through IKK2. The Journal of biological chemistry, 283(51), 35375.

Pang C, et al. (2008) Macrophage infiltration into adipose tissue may promote angiogenesis for adipose tissue remodeling in obesity. American journal of physiology. Endocrinology and metabolism, 295(2), E313.