

Resource Summary Report

Generated by [RRID](#) on Aug 18, 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.