Resource Summary Report

Generated by RRID on Aug 20, 2026

pRK7-HA-S6K1-F5A-E389-R3A

RRID:Addgene_8991
Type: Plasmid

Proper Citation

RRID:Addgene_8991

Plasmid Information

URL: http://www.addgene.org/8991

Proper Citation: RRID:Addgene_8991

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

Comments: See Schalm et. al., 2005 JBC Vol. 280(12)11101-11106.

Plasmid Name: pRK7-HA-S6K1-F5A-E389-R3A

Relevant Mutation: F5A, T389E, R3A (C-terminal RSPRR motif to ASPAA)

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-F5A-E389-R3A.

No alerts have been found for pRK7-HA-S6K1-F5A-E389-R3A.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Calderon-Aparicio A, et al. (2026) S6K1 Modulates STAT3 Activation to Promote Resistance to Radiotherapy in Lung Cancer. International journal of molecular sciences, 27(4).

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

Lupse B, et al. (2021) Inhibition of PHLPP1/2 phosphatases rescues pancreatic ?-cells in diabetes. Cell reports, 36(5), 109490.

Iezaki T, et al. (2018) Translational Control of Sox9 RNA by mTORC1 Contributes to Skeletogenesis. Stem cell reports, 11(1), 228.

Posada IMD, et al. (2017) Opposite feedback from mTORC1 to H-ras and K-ras4B downstream of SREBP1. Scientific reports, 7(1), 8944.

Xiao F, et al. (2016) A novel function of B-cell translocation gene 1 (BTG1) in the regulation of hepatic insulin sensitivity in mice via c-Jun. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 30(1), 348.

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.

Gong Q, et al. (2016) Fibroblast growth factor 21 improves hepatic insulin sensitivity by inhibiting mammalian target of rapamycin complex 1 in mice. Hepatology (Baltimore, Md.), 64(2), 425.

Erbil S, et al. (2016) RACK1 Is an Interaction Partner of ATG5 and a Novel Regulator of Autophagy. The Journal of biological chemistry, 291(32), 16753.

Ha? A, et al. (2015) S6K1 controls autophagosome maturation in autophagy induced by sulforaphane or serum deprivation. European journal of cell biology, 94(10), 470.

Yu J, et al. (2013) PRLR regulates hepatic insulin sensitivity in mice via STAT5. Diabetes, 62(9), 3103.

Xiao F, et al. (2011) Leucine deprivation increases hepatic insulin sensitivity via GCN2/mTOR/S6K1 and AMPK pathways. Diabetes, 60(3), 746.