

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pHAGE-CMV-Rheb(S16H)-IRES-eGFP-W

RRID:Addgene_32520

Type: Plasmid

Proper Citation

RRID:Addgene_32520

Plasmid Information

URL: <http://www.addgene.org/32520>

Proper Citation: RRID:Addgene_32520

Insert Name: Constitutively active Rheb (S16H)

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20062052](#)

Vector Backbone Description: Backbone Marker:Addgene plasmid #32519; Vector Backbone:pHAGE-CMV-Rheb-IRES-eGFP-W; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: The constitutively activating S16H mutation was introduced to pHAGE-CMV-Rheb-IRES-eGFP-W (Addgene plasmid #32519) by site directed mutagenesis. The original pHAGE-CMV-IRES lentiviral vector is from Dr Richard C. Mulligan at Harvard (Mostoslavsky G et al., 2005).

Plasmid Name: pHAGE-CMV-Rheb(S16H)-IRES-eGFP-W

Relevant Mutation: S16H to make constitutively active

Record Creation Time: 20220422T222141+0000

Record Last Update: 20260815T081342+0000

Ratings and Alerts

No rating or validation information has been found for pHAGE-CMV-Rheb(S16H)-IRES-eGFP-W.

No alerts have been found for pHAGE-CMV-Rheb(S16H)-IRES-eGFP-W.

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 [dkNET](#) .

Yang F, et al. (2020) Targeted therapy for mTORC1-driven tumours through HDAC inhibition by exploiting innate vulnerability of mTORC1 hyper-activation. British journal of cancer, 122(12), 1791.

Simonson B, et al. (2017) DDIT4L promotes autophagy and inhibits pathological cardiac hypertrophy in response to stress. Science signaling, 10(468).