

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pRK5-HA GST RagC 120L

RRID:Addgene_19306

Type: Plasmid

Proper Citation

RRID:Addgene_19306

Plasmid Information

URL: <http://www.addgene.org/19306>

Proper Citation: RRID:Addgene_19306

Insert Name: Ras-related GTP binding C

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18497260](#)

Vector Backbone Description: Backbone Marker:BD PharMingen; Backbone Size:4754; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5-HA GST RagC 120L

Relevant Mutation: Q120L

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260902T043409+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-HA GST RagC 120L.

No alerts have been found for pRK5-HA GST RagC 120L.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Akwa Y, et al. (2023) Stimulation of synaptic activity promotes TFEB-mediated clearance of pathological MAPT/Tau in cellular and mouse models of tauopathies. *Autophagy*, 19(2), 660.

Malik N, et al. (2023) Induction of lysosomal and mitochondrial biogenesis by AMPK phosphorylation of FNIP1. *Science (New York, N.Y.)*, 380(6642), eabj5559.

Hirst J, et al. (2021) Rag GTPases and phosphatidylinositol 3-phosphate mediate recruitment of the AP-5/SPG11/SPG15 complex. *The Journal of cell biology*, 220(2).

Kim SH, et al. (2021) Mitochondrial Threonyl-tRNA Synthetase TARS2 Is Required for Threonine-Sensitive mTORC1 Activation. *Molecular cell*, 81(2), 398.

Wang M, et al. (2020) C9orf72 associates with inactive Rag GTPases and regulates mTORC1-mediated autophagosomal and lysosomal biogenesis. *Aging cell*, 19(4), e13126.

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

Khayati K, et al. (2017) The amino acid metabolite homocysteine activates mTORC1 to inhibit autophagy and form abnormal proteins in human neurons and mice. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 31(2), 598.

van Kranenburg M, et al. (2015) Preliminary functional assessment and classification of DEPDC5 variants associated with focal epilepsy. *Human mutation*, 36(2), 200.

Martina JA, et al. (2013) Rag GTPases mediate amino acid-dependent recruitment of TFEB and MITF to lysosomes. *The Journal of cell biology*, 200(4), 475.

Hong-Brown LQ, et al. (2012) Rag GTPases and AMPK/TSC2/Rheb mediate the differential regulation of mTORC1 signaling in response to alcohol and leucine. *American journal of physiology. Cell physiology*, 302(10), C1557.

Cully M, et al. (2010) A role for p38 stress-activated protein kinase in regulation of cell growth via TORC1. *Molecular and cellular biology*, 30(2), 481.