

Resource Summary Report

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

pRK5-HA GST RagA 66L

RRID:Addgene_19300

Type: Plasmid

Proper Citation

RRID:Addgene_19300

Plasmid Information

URL: <http://www.addgene.org/19300>

Proper Citation: RRID:Addgene_19300

Insert Name: Ras-related GTP binding A

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 RagA 66L

Relevant Mutation: Q66L

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260902T043407+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-HA GST RagA 66L.

No alerts have been found for pRK5-HA GST RagA 66L.

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](#) .

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).

Alesi N, et al. (2021) TSC2 regulates lysosome biogenesis via a non-canonical RAGC and TFEB-dependent mechanism. *Nature communications*, 12(1), 4245.

Yuan T, et al. (2021) The Hippo kinase LATS2 impairs pancreatic β -cell survival in diabetes through the mTORC1-autophagy axis. *Nature communications*, 12(1), 4928.

Gan L, et al. (2019) The lysosomal GPCR-like protein GPR137B regulates Rag and mTORC1 localization and activity. *Nature cell biology*, 21(5), 614.

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

Pal R, et al. (2018) Src regulates amino acid-mediated mTORC1 activation by disrupting GATOR1-Rag GTPase interaction. *Nature communications*, 9(1), 4351.

Li RJ, et al. (2016) Regulation of mTORC1 by lysosomal calcium and calmodulin. *eLife*, 5.

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

Rebsamen M, et al. (2015) SLC38A9 is a component of the lysosomal amino acid sensing machinery that controls mTORC1. *Nature*, 519(7544), 477.

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.