Resource Summary Report

Generated by dkNET on Aug 7, 2026

pSAG1::CAS9-U6::sgUPRT

RRID:Addgene_54467
Type: Plasmid

Proper Citation

RRID:Addgene_54467

Plasmid Information

URL: http://www.addgene.org/54467

Proper Citation: RRID:Addgene_54467

Insert Name: SAG1 5' UTR

Organism: Toxoplasma gondii

Bacterial Resistance: Ampicillin

Defining Citation: PMID:24825012

Vector Backbone Description: Backbone Marker:Agilent; Vector Backbone:pBlueScript; Vector Types:CRISPR, Toxoplasma expression; Bacterial Resistance:Ampicillin

Plasmid Name: pSAG1::CAS9-U6::sgUPRT

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260801T081457+0000

Ratings and Alerts

No rating or validation information has been found for pSAG1::CAS9-U6::sgUPRT.

No alerts have been found for pSAG1::CAS9-U6::sgUPRT.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Sheng K, et al. (2025) Phosphatase UBLCP1 is required for the growth, virulence and mitochondrial integrity of Toxoplasma gondii. Parasites & vectors, 18(1), 122.

Claywell JE, et al. (2025) Phospho-relay feedback loops control egress vs. intracellular development in Toxoplasma gondii. Cell reports, 44(2), 115260.

Kashyap P, et al. (2025) Deletion of splicing factor Cdc5 in Toxoplasma disrupts transcriptome integrity, induces abortive bradyzoite formation, and prevents acute infection in mice. Nature communications, 16(1), 3769.

Geng XL, et al. (2025) Proline dehydrogenase, a rate-limiting catabolic enzyme, affecting the growth and pathogenicity of Toxoplasma gondii tachyzoites by regulating the proline metabolism and mitochondrial function of the parasite. Parasites & vectors, 18(1), 309.

Zhang X, et al. (2025) BFD2 mediates inflammation, apoptosis, and pre-anxiety-like behaviors induced by acute Toxoplasma gondii infection. PLoS neglected tropical diseases, 19(9), e0013428.

Liang Y, et al. (2025) A Major Facilitator Superfamily Transporter Is Critical for the Metabolism and Biogenesis of the Apicoplast. Pathogens (Basel, Switzerland), 14(8).

Geng X, et al. (2025) Toxoplasma gondii Type I TR and ROP16 Synergistically Downregulate IL-12 to Inhibit Host Reactive Oxygen Species Production. Pathogens (Basel, Switzerland), 14(2).

Aswale KR, et al. (2025) RNA triphosphatase-mediated mRNA capping is essential for maintaining transcript homeostasis and the survival of Toxoplasma gondii. Nature communications, 16(1), 5452.

Akuh OA, et al. (2025) Reconstituted ferredoxin-MEP pathway of Apicomplexa in Escherichiacoli as an in situ screening platform for inhibitors and essential enzyme mutations. The Journal of biological chemistry, 301(11), 110726.

Rinkenberger N, et al. (2024) Susceptibility of Toxoplasma gondii to autophagy in human cells relies on multiple interacting parasite loci. mBio, 15(1), e0259523.

Xia J, et al. (2024) An apicoplast-localized deubiquitinase contributes to the cell growth and apicoplast homeostasis of Toxoplasma gondii. Veterinary research, 55(1), 10.

Sun M, et al. (2024) TBC9, an essential TBC-domain protein, regulates early vesicular transport and IMC formation in Toxoplasma gondii. Communications biology, 7(1), 596.

Tetzlaff S, et al. (2024) Small RNAs from mitochondrial genome recombination sites are incorporated into T. gondii mitoribosomes. eLife, 13.

Zwahlen SM, et al. (2024) A myzozoan-specific protein is an essential membrane-anchoring component of the succinate dehydrogenase complex in Toxoplasma parasites. Open biology, 14(6), 230463.

Bando H, et al. (2024) Toxoplasma gondii chitinase-like protein TgCLP1 regulates the parasite cyst burden. Frontiers in cellular and infection microbiology, 14, 1359888.

Lyu C, et al. (2024) Two enzymes contribute to citrate production in the mitochondrion of Toxoplasma gondii. The Journal of biological chemistry, 300(8), 107565.

Kellermeier JA, et al. (2024) Myosin F controls actin organization and dynamics in Toxoplasma gondii. Molecular biology of the cell, 35(4), ar57.

Hayward JA, et al. (2023) A screen of drug-like molecules identifies chemically diverse electron transport chain inhibitors in apicomplexan parasites. PLoS pathogens, 19(7), e1011517.

Fu J, et al. (2023) Apicoplast biogenesis mediated by ATG8 requires the ATG12-ATG5-ATG16L and SNAP29 complexes in Toxoplasma gondii. Autophagy, 19(4), 1258.

Arranz-Sol??s D, et al. (2023) Late Embryogenesis Abundant Proteins Contribute to the Resistance of Toxoplasma gondii Oocysts against Environmental Stresses. mBio, 14(2), e0286822.