

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pTUB1:YFP-mAID-3HA, DHFR-TS:HXGPRT

RRID:Addgene_87259

Type: Plasmid

Proper Citation

RRID:Addgene_87259

Plasmid Information

URL: <http://www.addgene.org/87259>

Proper Citation: RRID:Addgene_87259

Insert Name: YFP-mAID-3HA

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28465425](#)

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:2925; Vector Backbone:pBluescript SK(+); Vector Types:Toxoplasma expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTUB1:YFP-mAID-3HA, DHFR-TS:HXGPRT

Relevant Mutation: Codon optimized for Toxoplasma gondii expression

Record Creation Time: 20220422T222600+0000

Record Last Update: 20260815T082142+0000

Ratings and Alerts

No rating or validation information has been found for pTUB1:YFP-mAID-3HA, DHFR-TS:HXGPRT.

No alerts have been found for pTUB1:YFP-mAID-3HA, DHFR-TS:HXGPRT.

Data and Source Information

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

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.

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.

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).

Zhu Y, et al. (2025) Regulation of the developmental programs in Toxoplasma by a novel SNF2L-containing chromatin remodeling complex. Nature communications, 16(1), 5757.

Xu R, et al. (2024) Multiple pathways for glucose phosphate transport and utilization support growth of Cryptosporidium parvum. Nature communications, 15(1), 380.

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.

Xu R, et al. (2023) Multiple pathways for glucose phosphate transport and utilization support growth of Cryptosporidium parvum. bioRxiv : the preprint server for biology.

Fu J, et al. (2023) An unconventional SNARE complex mediates exocytosis at the plasma membrane and vesicular fusion at the apical annuli in Toxoplasma gondii. PLoS pathogens, 19(3), e1011288.

Benns HJ, et al. (2022) CRISPR-based oligo recombineering prioritizes apicomplexan cysteines for drug discovery. Nature microbiology, 7(11), 1891.

Cao S, et al. (2021) The Dissection of SNAREs Reveals Key Factors for Vesicular Trafficking to the Endosome-like Compartment and Apicoplast via the Secretory System in Toxoplasma gondii. mBio, 12(4), e0138021.

Cao S, et al. (2020) The Sec1/Munc18-like proteins TgSec1 and TgVps45 play pivotal roles in assembly of the pellicle and sub-pellicle network in Toxoplasma gondii. Molecular microbiology, 113(1), 208.

Brown KM, et al. (2018) Conditional Knockdown of Proteins Using Auxin-inducible Degron (AID) Fusions in Toxoplasma gondii. Bio-protocol, 8(4).