

Resource Summary Report

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

pTUB1:OsTIR1-3FLAG, SAG1:CAT

RRID:Addgene_87258

Type: Plasmid

Proper Citation

RRID:Addgene_87258

Plasmid Information

URL: <http://www.addgene.org/87258>

Proper Citation: RRID:Addgene_87258

Insert Name: TIR1

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:OsTIR1-3FLAG, SAG1:CAT

Relevant Mutation: Codon optimized for Toxoplasma gondii expression

Record Creation Time: 20220422T222559+0000

Record Last Update: 20260902T050422+0000

Ratings and Alerts

No rating or validation information has been found for pTUB1:OsTIR1-3FLAG, SAG1:CAT.

No alerts have been found for pTUB1:OsTIR1-3FLAG, SAG1:CAT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Licon MH, et al. (2023) A positive feedback loop controls Toxoplasma chronic differentiation. *Nature microbiology*, 8(5), 889.

Fan F, et al. (2023) AP2XII-1 is a negative regulator of merogony and presexual commitment in *Toxoplasma gondii*. *mBio*, 14(5), e0178523.

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.

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.

Zhang J, et al. (2022) Nuclear Factor AP2X-4 Governs the Expression of Cell Cycle- and Life Stage-Regulated Genes and is Critical for *Toxoplasma* Growth. *Microbiology spectrum*, 10(4), e0012022.

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).