

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

mTFP1-pBAD

RRID:Addgene_54553

Type: Plasmid

Proper Citation

RRID:Addgene_54553

Plasmid Information

URL: <http://www.addgene.org/54553>

Proper Citation: RRID:Addgene_54553

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16859491](#)

Vector Backbone Description: Backbone Size:4800; Vector Backbone:mTFP1-pBAD;
Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Contains 6x-Histidine tag for protein purification. Excitation = 462; Emission = 492

Plasmid Name: mTFP1-pBAD

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

No rating or validation information has been found for mTFP1-pBAD.

No alerts have been found for mTFP1-pBAD.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Ortiz de Ora L, et al. (2025) Phollow reveals in situ phage transmission dynamics in the zebrafish gut microbiome at single-virion resolution. *Nature microbiology*, 10(5), 1067.

Ortiz de Ora L, et al. (2024) Phollow: Visualizing Gut Bacteriophage Transmission within Microbial Communities and Living Animals. *bioRxiv* : the preprint server for biology.

Chin MY, et al. (2021) Genetically Encoded, pH-Sensitive mTFP1 Biosensor for Probing Lysosomal pH. *ACS sensors*, 6(6), 2168.

Tang K, et al. (2018) Paxillin phosphorylation at serine 273 and its effects on Rac, Rho and adhesion dynamics. *PLoS computational biology*, 14(7), e1006303.