

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 1, 2026

pGFPHYG2

RRID:Addgene_30173

Type: Plasmid

Proper Citation

RRID:Addgene_30173

Plasmid Information

URL: <http://www.addgene.org/30173>

Proper Citation: RRID:Addgene_30173

Insert Name: Mycobacterium Strong Promoter (MSP)

Organism: M. marinum

Bacterial Resistance: Hygromycin

Defining Citation: [PMID:16714540](#)

Vector Backbone Description: Backbone Marker:Ramakrishnan et al., 2000; Backbone Size:4981; Vector Backbone:pFPV27; Vector Types:Mycobacteria expression; Bacterial Resistance:Hygromycin

Comments: This plasmid was derived from pMSP12::GFP by interrupting the aph gene (removing a small ~300bp NsiI fragment) and inserting the gene for Hygromycin resistance.

Plasmid Name: pGFPHYG2

Relevant Mutation: GFPmut3 allele has improved brightness.

Record Creation Time: 20220422T222132+0000

Record Last Update: 20260829T080341+0000

Ratings and Alerts

No rating or validation information has been found for pGFPHYG2.

No alerts have been found for pGFPHYG2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ma W, et al. (2022) Mycobacterium tuberculosis Induced Osteoblast Dysregulation Involved in Bone Destruction in Spinal Tuberculosis. *Frontiers in cellular and infection microbiology*, 12, 780272.

Krishnamoorthy G, et al. (2020) FX11 limits Mycobacterium tuberculosis growth and potentiates bactericidal activity of isoniazid through host-directed activity. *Disease models & mechanisms*, 13(3).

Basu Roy R, et al. (2020) Protection against mycobacterial infection: A case-control study of mycobacterial immune responses in pairs of Gambian children with discordant infection status despite matched TB exposure. *EBioMedicine*, 59, 102891.

Basu Roy R, et al. (2019) An Auto-luminescent Fluorescent BCG Whole Blood Assay to Enable Evaluation of Paediatric Mycobacterial Responses Using Minimal Blood Volumes. *Frontiers in pediatrics*, 7, 151.

Hodgkinson JW, et al. (2015) Development of an in vitro model system to study the interactions between Mycobacterium marinum and teleost neutrophils. *Developmental and comparative immunology*, 53(2), 349.