# Resource Summary Report

Generated by RRID on Aug 19, 2026

## pGFPHYG2

RRID:Addgene_30173
Type: Plasmid

### Proper Citation

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### 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:** 20260815T081325+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 RRID .

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.