

Resource Summary Report

Generated by [dkNET](#) on Aug 21, 2026

pCAG-Gal4DBD-GBP2

RRID:Addgene_49439

Type: Plasmid

Proper Citation

RRID:Addgene_49439

Plasmid Information

URL: <http://www.addgene.org/49439>

Proper Citation: RRID:Addgene_49439

Insert Name: GBP2-Gal4 DNA binding domain fusion protein

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23953120](#)

Vector Backbone Description: Backbone Size:4823; Vector Backbone:pCAG-GFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Kirchhofer, A. et al. (2010). Modulation of protein properties in living cells using nanobodies. Nat. Struct. Mol. Biol. 17, 133–138. Tang J.C. et al. (2013). A nanobody-based system using fluorescent proteins as scaffolds for cell-specific gene manipulation. Cell. 2013 Aug 15;154(4):928-39.

Plasmid Name: pCAG-Gal4DBD-GBP2

Record Creation Time: 20220422T222255+0000

Record Last Update: 20260815T081559+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-Gal4DBD-GBP2.

No alerts have been found for pCAG-Gal4DBD-GBP2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Barykina NV, et al. (2024) Destabilized near-infrared fluorescent nanobodies enable background-free targeting of GFP-based biosensors for imaging and manipulation. Nature communications, 15(1), 7788.

Basu S, et al. (2020) Unblending of Transcriptional Condensates in Human Repeat Expansion Disease. Cell, 181(5), 1062.