

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

pGEX-KG-D4H*-mCherry

RRID:Addgene_134604

Type: Plasmid

Proper Citation

RRID:Addgene_134604

Plasmid Information

URL: <http://www.addgene.org/134604>

Proper Citation: RRID:Addgene_134604

Insert Name: D4H*

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31548609](#)

Vector Backbone Description: Backbone Size:5006; Vector Backbone:pGEX-KG;
Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: <https://benchling.com/s/seq-qYjuRHB1UTwPC8BVFbvK>

Plasmid Name: pGEX-KG-D4H*-mCherry

Relevant Mutation: Y415A and A463W

Record Creation Time: 20220422T221743+0000

Record Last Update: 20260905T074800+0000

Ratings and Alerts

No rating or validation information has been found for pGEX-KG-D4H*-mCherry.

No alerts have been found for pGEX-KG-D4H*-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Kovacs T, et al. (2026) The Selective DHCR24 Blocker SH42 Inhibits ACE2 Binding and Cellular Entry of SARS-CoV-2 Spike Proteins More Efficiently Than Atorvastatin. Research (Washington, D.C.), 9, 1280.

David EA, et al. (2026) SARS-CoV-2 envelope protein mitochondrial localization reveals host metabolic disruption. The Journal of biological chemistry, 302(5), 111419.

Oqua AI, et al. (2025) Molecular mapping and functional validation of GLP-1R cholesterol binding sites in pancreatic beta cells. eLife, 13.

de Leeuw SM, et al. (2024) Intracellular cholesterol visualization in brain tissue using D4H ?. STAR protocols, 5(1), 102779.

Van Acker ZP, et al. (2023) Phospholipase D3 degrades mitochondrial DNA to regulate nucleotide signaling and APP metabolism. Nature communications, 14(1), 2847.

Geng F, et al. (2023) SREBP-1 upregulates lipophagy to maintain cholesterol homeostasis in brain tumor cells. Cell reports, 42(7), 112790.

Roney JC, et al. (2021) Lipid-mediated motor-adaptor sequestration impairs axonal lysosome delivery leading to autophagic stress and dystrophy in Niemann-Pick type C. Developmental cell, 56(10), 1452.