

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pBAD/myc-his A Rv0712 (FGE)

RRID:Addgene_16132

Type: Plasmid

Proper Citation

RRID:Addgene_16132

Plasmid Information

URL: <http://www.addgene.org/16132>

Proper Citation: RRID:Addgene_16132

Insert Name: Formylglycine-generating enzyme

Organism: Mycobacterium tuberculosis

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17450134](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4081; Vector Backbone:pBAD/myc-his A; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The gene encoding Mycobacterium tuberculosis FGE (Rv0712, encoding residues 2-299, GenBank accession NP_215226) was amplified from M. tuberculosis H37Rv genomic DNA and ligated into pBAD/myc-his A between the NcoI and XhoI restriction sites. The FGE gene was placed in frame with the start codon using QuikChange mutagenesis. Please note that this information page previously listed the NcoI cloning site as not destroyed. The site was destroyed during cloning, however, and the page was updated on 6/16/08.

Plasmid Name: pBAD/myc-his A Rv0712 (FGE)

Record Creation Time: 20220422T221913+0000

Record Last Update: 20260815T080852+0000

Ratings and Alerts

No rating or validation information has been found for pBAD/myc-his A Rv0712 (FGE).

No alerts have been found for pBAD/myc-his A Rv0712 (FGE).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Vickers CJ, et al. (2025) The complete γ -carrageenan depolymerization cascade from a marine *Pseudoalteromonas* revealed by structural analysis of the enzymes. *The Journal of biological chemistry*, 301(10), 110719.

Jiang C, et al. (2022) Enzymatic Verification and Comparative Analysis of Carrageenan Metabolism Pathways in Marine Bacterium *Flavobacterium algicola*. *Applied and environmental microbiology*, 88(7), e0025622.

Asiimwe N, et al. (2022) The discovery of penta-peptides inhibiting the activity of the formylglycine-generating enzyme and their potential antibacterial effects against *Mycobacterium tuberculosis*. *RSC advances*, 12(29), 18884.

Kim S, et al. (2020) Selective loading and processing of prespacers for precise CRISPR adaptation. *Nature*, 579(7797), 141.

Hettle AG, et al. (2019) Insights into the α/β -carrageenan metabolism pathway of some marine *Pseudoalteromonas* species. *Communications biology*, 2, 474.

Hettle AG, et al. (2018) The Molecular Basis of Polysaccharide Sulfatase Activity and a Nomenclature for Catalytic Subsites in this Class of Enzyme. *Structure (London, England : 1993)*, 26(5), 747.

Zang B, et al. (2016) Direct site-specific immobilization of protein A via aldehyde-hydrazide conjugation. *Journal of chromatography. B, Analytical technologies in the biomedical and life sciences*, 1008, 132.

Shi X, et al. (2012) Quantitative fluorescence labeling of aldehyde-tagged proteins for single-molecule imaging. *Nature methods*, 9(5), 499.