

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

[pSUM-GroEL-gfp](#)

RRID:Addgene_109286

Type: Plasmid

Proper Citation

RRID:Addgene_109286

Plasmid Information

URL: <http://www.addgene.org/109286>

Proper Citation: RRID:Addgene_109286

Insert Name: GroEL-GFP

Organism: Other

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22820329](#)

Vector Backbone Description: Backbone Marker:from PMID 9218713; Vector Backbone:pSUM36; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: The groEL promoter was PCR-amplified from M. tuberculosis genomic DNA, cloned into the pCR2.1 TOPO-TA cloning vector and subsequently isolated as a BamHI/XbaI piece that was subcloned into pSUM36 cut with BamHI and NheI to remove the lacZ promoter. The GFP gene was subcloned into the HindIII site of the pSUM-groEL vector.

Plasmid Name: pSUM-GroEL-gfp

Relevant Mutation: GFP modified for expression in prokaryotes; includes an optimized translational initiation region (from pGreenTIR)

Record Creation Time: 20220422T221530+0000

Record Last Update: 20260725T073448+0000

Ratings and Alerts

No rating or validation information has been found for pSUM-GroEL-gfp.

No alerts have been found for pSUM-GroEL-gfp.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.