

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pelB-MBP-BB0238-ss

RRID:Addgene_137046

Type: Plasmid

Proper Citation

RRID:Addgene_137046

Plasmid Information

URL: <http://www.addgene.org/137046>

Proper Citation: RRID:Addgene_137046

Insert Name: AAC66635.2

Organism: Borrelia burgdorferi B31

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31772280](#)

Vector Backbone Description: Vector Backbone:pelB-MBP (DNASU access no. EvNO00813783); Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid uses the T7lac promoter to express in E. coli the mature (lacking the signal peptide), wild-type protein containing an N-terminal PelB signal peptide + His10 + mature maltose binding protein + TEV protease cleavage site. The gene encoding the protein does not have the same DNA sequence as B. burgdorferi because the gene has been optimized for expression in E. coli.

Plasmid Name: pelB-MBP-BB0238-ss

Relevant Mutation: mature BB0238: lacks the BB0238 signal peptide

Record Creation Time: 20220422T221755+0000

Record Last Update: 20260725T073908+0000

Ratings and Alerts

No rating or validation information has been found for pelB-MBP-BB0238-ss.

No alerts have been found for pelB-MBP-BB0238-ss.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.