

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 18, 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:** 20260912T091921+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.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.