Resource Summary Report

Generated by RRID on Aug 20, 2026

pFastBac TEV SNAPf Prescission TwinStrepII cloning vector with BioBrick PolyPromoter LIC Subcloning (438-SNAP-V3)

RRID:Addgene_55223
Type: Plasmid

Proper Citation

RRID:Addgene_55223

Plasmid Information

URL: http://www.addgene.org/55223

Proper Citation: RRID:Addgene_55223

Bacterial Resistance: Ampicillin

Defining Citation: PMID:28668116

Vector Backbone Description: Vector Backbone:pFastBac; Vector Types:Insect Expression; Bacterial Resistance:Ampicillin

Comments: In order to increase the efficiency of subcloning with the Series-11 Macrobac plasmids we developed a new strategy the uses LIC (Ligation Independent Cloning). The problem with the Series-11 ligation mediated subcloning was that when the plasmid size approached or exceeded 20 kb we had to screen many colonies to find a positive. We developed a strategy to use LIC for subcloning. Because this method uses no ligase, the cloning background associated with re-ligation of the empty plasmid are eliminated. 438-SNAP-V3 has a TEV cleavable TwinStrepII-Prescission-SNAPf on the C-terminus. The 438-SNAP-V3 vector use the LICv3 Forward and Reverse primers. LICv3 Forward - 5'-TTTAAGAAGGAGATATAGTTC-3' LICv3 Reverse - 5'-GGATTGGAAGTAGAGGTTCTC-3' As the target plasmid size gets >20kb you may have to increase the amount of DNA you anneal and/or transform. We have found this method gives no background colonies at all and 100% of the colonies we pick are positive. The cells we transform into are XL1Blues with a competency ~6x10^7cfu/ul. For more information, please see our website: http://qb3.berkeley.edu/qb3/macrolab/

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Ratings and Alerts

No rating or validation information has been found for pFastBac TEV SNAPf Prescission TwinStrepII cloning vector with BioBrick PolyPromoter LIC Subcloning (438-SNAP-V3).

No alerts have been found for pFastBac TEV SNAPf Prescission TwinStrepII cloning vector with BioBrick PolyPromoter LIC Subcloning (438-SNAP-V3).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.