

Resource Summary Report

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pFastBac TEV SNAPf Prescission TwinStrepll 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 TwinStrepll-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 $\sim 6 \times 10^7$ cfu/ul. For more information, please see our website: <http://qb3.berkeley.edu/qb3/macrolab/>

Plasmid Name: pFastBac TEV SNAPf Prescission TwinStrepll cloning vector with BioBrick PolyPromoter LIC Subcloning (438-SNAP-V3)

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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.