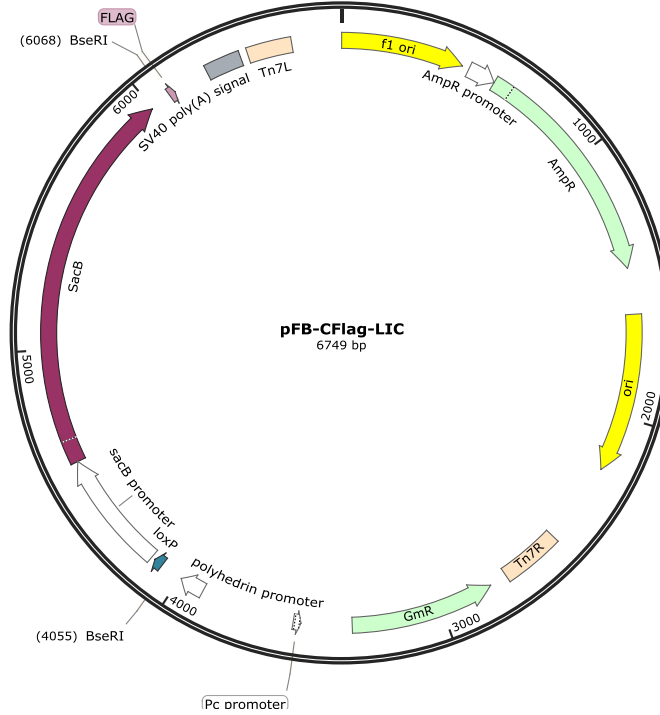


pFB-CFlag-LIC

Source	Constructed by Yanjun Li, Structural Genomics Consortium, University of Toronto
Description	The pFB-CFlag-LIC vector is a derivative of the pFBOH-LIC vector (SGC, GenBank accession EF456740). It is a donor vector for generation of recombinant baculovirus by site-specific transposition in an E. coli host. This vector has a C-terminal Flag tag.
Cloning Method	Insertion of a DNA sequence into the cloning/expression region is performed using Clontech's In-fusion enzyme-mediated directional recombination between complementary 15 nucleotide DNA sequences at the ends of the insert (PCR product) and BseRI linearized vector. Insertion of a target sequence involves replacement of SacB gene stuffer sequence, which provides for negative selection of the original plasmid on 5% sucrose.
Antibiotic resistance	Ampicillin and Gentamicin
Promoter	Polyhedrin
Cloning Method	Insertion of DNA sequence into the cloning/expression region is performed using BD-Biosciences Infusion enzyme mediated directional recombination between complementary 15 nucleotide DNA sequences at the ends of the insert (PCR product) and BseRI linearized vector. Insertion of target sequence involves replacement of SacB stuffer fragment, which provides for negative selection of the original plasmid on 5% sucrose.
N-terminal sequence	M
C-terminal sequence	SSGDYKDDDDK
5' primer addition for amplification of insert	5' TCGGTCGAAAACCATG 3'
3' primer addition for amplification of insert	5' GTAGTCGCCGCTGCT 3'
5' sequencing primer: pFB-F	5' AGTATTTTACTGTTTTTCG 3'
3' sequencing primer: pFB-R	5' TAACCATTATAAGCTGC 3'



Locations of Features:

Fi Origin (456 bp): 2-457
AmpR promoter (105 bp): 484-588
AmpR (861 bp): 589-1449
Ori rep_origin (589 bp): 1620-2208
Tn7R (225 bp): 2511-2735
GmR (reverse complementary, 534 bp): 2802-3335
Polyhedrin Promotor (92 bp): 3904-3995
SacB Promotor (446 bp): 4129-4574
SacB Gene (1422 bp): 4575-5996
C Terminal Flag (24 bp) Tag: 6078-6101
SV40 poly(A) Signal (135 bp): 6239-6373
Tn7L (166 bp): 6402-6567

Sequence of pFB-CFlag-LIC: 6749 bp

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