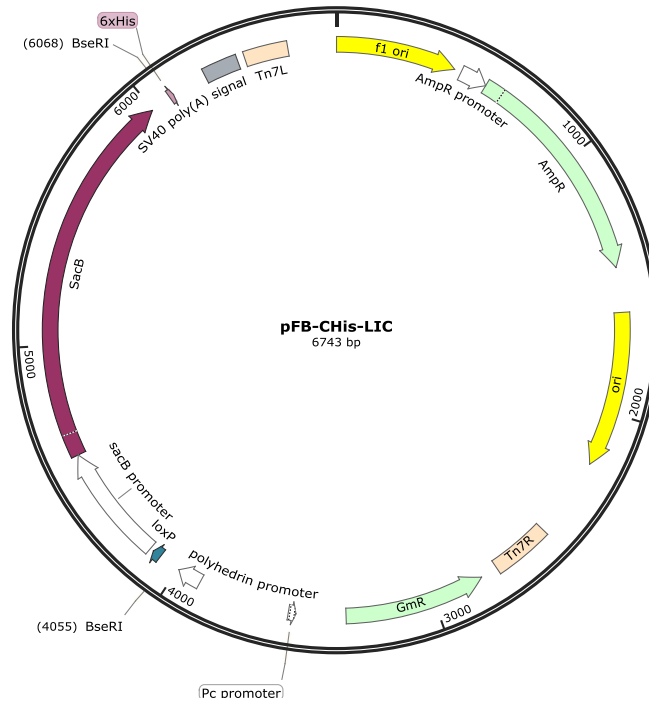


pFB-CHis-LIC

Source	Constructed by Yanjun Li, Structural Genomics Consortium, University of Toronto
Company	Structural Genomics Consortium, Toronto
Description	The pFB-CHis-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 His ₆ tag at C-terminal.
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 stuffer fragment, which provides for negative selection of the original plasmid on 5% sucrose.
Antibiotic resistance	Ampicillin and Gentamicin
Promoter	Polyhedrin
N-terminal sequence	M
C-terminal sequence	SSGHHHHHH
5' primer addition for amplification of insert	5' TCGGTCCGAAAACCATG 3'
3' primer addition for amplification of insert	5' ATGATGGCCGCTGCT 3'
5' sequencing primer: pFB-F	5' AGTATTTTACTGTTTTCG 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 His (18 bp) Tag: 6078-6095
SV40 poly(A) Signal (135 bp): 6233-6367
Tn7L (166 bp): 6396-6561

Sequence of pFB-CHis-LIC: 6743 bp

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