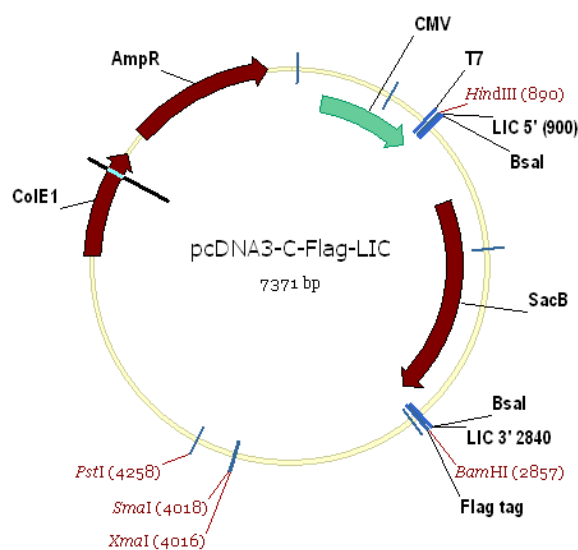


Vector information sheet

Dated: 8th May 2013

Vector Name	pCDNA3-C-Flag-LIC
Source	Grazyna Kochan
Sequence accession/link	(SGC)
Description	Mammalian expression vector with Flag tag as C-terminal fusion peptide. Includes sites for LIC cloning, and a "stuffer" fragment that includes the SacB gene, allowing negative selection on 5% sucrose
Antibiotic resistance	Ampicillin, 100 µg/ml
Promoter	CMV
Cloning	LIC. (vector treated with BsaI, then with T4 DNA polymerase in presence of dGTP)
Initiation codon	Supplied in PCR primer
C-terminal fusion – seq.	ASKGGYGSDYKDDDDK
C-terminal fusion – MW	1605.6 Da
Termination codons	Present in vector
Protease cleavage	no
Additional features	
Preferred host	Mammalian cell lines (HEK HeLa, BHK BSC 1etc.)
5' sequencing primer	pcDNA3-fwd (50), and T7fwd. TCCAAAATGTCGTAACAACTCC
3' sequencing primer	pcDNA3-rev (48): TTTTATTAGGAAAGGACAGTGG



Polylinker region:

```
881 GGATACCCAA GCTTACCTGT ACTTCCAATC CATGMGAGACC GACGTCCACA
      HINDIII LIC 5' BSAI

931 TATACCTGCC SacB linker GCCGATATCC TATTGGCATT

2831 GACGGTCTC A S K G G Y G S AGTAAAGGTG GATACGGATC CGACTACAAG GATGACGATG
      BSAI LIC3' BAMHI

      K
2881 ACAAGTGAGC
```

Primers for LIC cloning:

Upstream: add TACTTCCAATCCATG to the 5' end (ATG in-frame with the desired coding sequence).

Downstream: add TATCCACCTTTACTGGA to 5' end of downstream primer.

pcDNA3-C-Flag-LIC sequence:

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