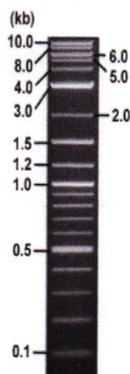## RIKEN DNA BANK   clone name : pMK388 (mClover-BSD)

- **Clone ID** : RDB _ 16816
- **Lot** : 16816 _ A8Lp
- **DNA Concentration** : 25 nanogram/microliter
- **Volume** : 40 microliter
- **Form** : DNA solution in TE buffer
- **Host** : DH5 alpha
- **Culture** : LB medium
- **Antibiotics** : 100 microgram/ml Ampicillin
- **Purification** : QIAGEN QIAprep Spin Miniprep kit

● **Digestion by restriction enzyme**

1 kb Plus DNA Ladder (NEB#N3200L), 250 ng/well

16816 — uncut, NheI, SmaI, NheI+SmaI

Electrophoresis : ___100___ nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme		Expected size of fragment	
NheI	:	5.5	kbp
SmaI	:	5.5	kbp
NheI+SmaI	:	3.4, 2.0	kbp
	:		kbp

● **Confirmation of the insertion sequence**

Please be sure to check our sequence analysis results before your request.

Sequence name	Primer ID	Primer name	Confirmed feature
Sequence - A	Pr0310	pUC-M13_-100	T7 pro,insert 5'(Linker,mClover 5')
Sequence - B	Pr0099	reverse	insert 3'(mPGK ter,BSD)
Sequence - C	Pr0243	PGK_N_rev	insert mid(loxP,SV40 pA,mClover 3')
Sequence - D	Pr0249	PGKpro_F	insert mid(mPGK ter,BSD)
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :

http://dna.brc.riken.jp

Applied
Biosystems

D06157B3_A8LP_2_pUC-M13_-100_A06_03_ABI24
D06157B3_A8LP_2_pUC-M13_-100
KB_3500_POP7_BDTv3.mob
Pts 1567 to 12923 Pk1 Loc:1544
Version 6.0   HiSQV Bases: 883

Inst Model/Name 3500/3500 Instrument
Feb 21,2019 02:00PM, JST
Feb 21,2019 02:27PM, JST
Spacing:11.5 Pts/Panel1350
Plate Name: 2019 0221 kitaku

S/N G:365 A:314 T:225 C:332
KB.bcp
KB 1.4.1.8   Cap:3

primer name A :   pUC-M13_-100
5'-ATTACGCCAGCTGGCGAAAGG-3'

Printed on: Tue Feb 28,2023 02:47PM, JST

Electropherogram Data Page 1 of 2

BamHI 118
Linker 127
NheI 136
mcloner (A206K)

T7 promoter

SacI

KpnI

Applied Biosystems

S/N G:365 A:314 T:225 C:332
KB.bcp
KB 1.4.1.8   Cap:3

D06157B3_A8LP_2_pUC-M13_-100
D06157B3_A8LP_2_pUC-M13_-100

KB_3500_POP7_BDTv3.mob
Pts 1567 to 12923 Pk1 Loc:1544
Version 6.0   HiSQV Bases: 883

Inst Model/Name 3500/3500 Instrument
Feb 21,2019 02:00PM, JST
Feb 21,2019 02:27PM, JST
Spacing:11.5 Pts/Panel1350
Plate Name: 20190221 kitaku

S/N G:119 A:139 T:97 C:98

KB.bcp

KB 1.4.1.8   Cap:6

primer name   **B**   : reverse

5'- GGAAACAGCTATGACCATG -3'

D06157B3_A8LP_2_reverse_B06_06_ABI24

D06157B3_A8LP_2_reverse

D06157B3_A8LP_2_reverse

KB_3500_POP7_BDTv3.mob

Pts 1570 to 12965 Pk1 Loc:1547

Version 6.0   HiSQV Bases: 887

Inst Model/Name 3500/3500 Instrument

Feb 21,2019 02:00PM, JST

Feb 21,2019 02:27PM, JST

Spacing:11.56 Pts/Panel1350

Plate Name: 20190221 kitaku

Printed on: Tue Feb 28,2023 02:47PM, JST

Electropherogram Data Page 1 of 2

Annotations on traces: mouse PGK terminator, EcoRV, lox P-2, BglII, BglII, BSD (Aspergillus terreus cytidine deaminase), SmaI, EcoRV, ClaI, lox P

Applied Biosystems

D06157B3_A8LP_2_reverse

KB_3500_POP7_BDTv3.mob

Pts 1570 to 12965 Pk1 Loc:1547

Version 6.0   HiSQV Bases: 887

Inst Model/Name 3500/3500 Instrument

Feb 21,2019 02:00PM, JST

Feb 21,2019 02:27PM, JST

Spacing:11.56   Pts/Panel1350

Plate Name: 20190221 kitaku

S/N G:119 A:139 T:97 C:98

KB.bcp

KB 1.4.1.8   Cap:6

MluI

SV40 poly(A) signal

XbaI

mClover(A206K)

HindIII

loxP

loxP-1

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Electropherogram Data Page 1 of 2

D06157B3_A8LP_2_PGKpro_F_D06_12_ABI24

D06157B3_A8LP_2_PGKpro_F

D06157B3_A8LP_2_PGKpro_F

KB_3500_POP7_BDTv3.mob

Pts 1555 to 12999 Pk1 Loc:1532

Version 6.0   HISQV Bases: 909

Inst Model/Name 3500/3500 Instrument

Feb 21,2019 02:00PM, JST

Feb 21,2019 02:27PM, JST

Spacing:11.6   Pts/Panel1350

Plate Name: 20190221 kitaku

Applied Biosystems

S/N G:209 A:134 T:122 C:144
KB.bcp
KB 1.4.1.8   Cap:12

primer name Ð : PGKpro_F
5'-ATTCTGCACGCTTCAAAAG-3'

ClaI   EcoRV   SmaI

mouse PGK terminator

BSD (Aspergillus terreus cytidine deaminase)

EcoRV