

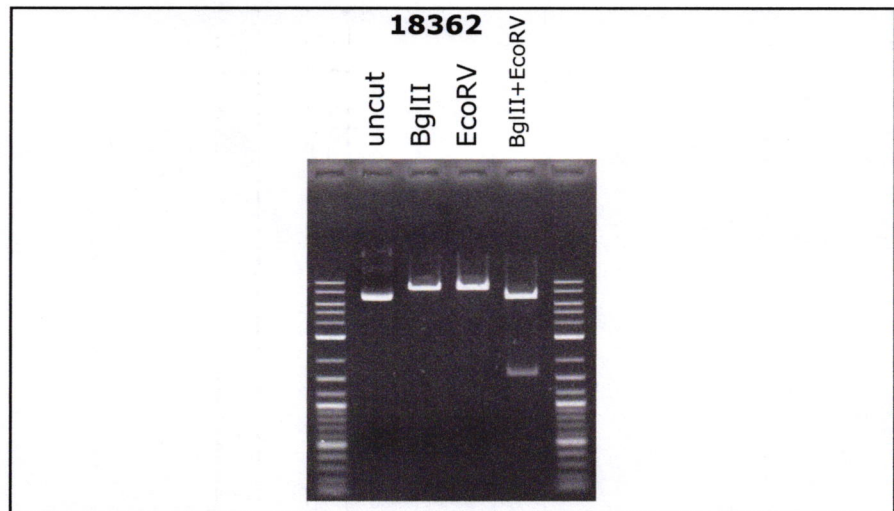
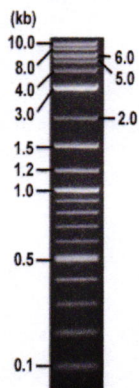


**RIKEN DNA BANK**

clone name : **pMK312 (TOP2A CRISPR)**

- Clone ID : RDB\_18362
- Lot : 18362\_B1K1
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : NEB stable
- 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



Electrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme	Expected size of fragment
<b>BglII</b>	<b>8.5</b> kbp
<b>EcoRV</b>	<b>8.5</b> kbp
<b>BglII+EcoRV</b>	<b>6.9, 1.6</b> 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	Pr0648	U6pro_F3	U6pro, TOP2A target seq, gRNA scaffold, CMV en, chicken beta-actin pro
Sequence - B	Pr0650	Cas9-N_R1	CAS9 5', SV40 NSL, 3xFLAG, hybrid intron
Sequence - C	Pr1051	Cas9-C_F2	CAS9 3', nucleoplasmin NLS, bGH pA, AAV2 ITR
Sequence - D	Pr0280	f1ori_F	f1 ori, AAV2 ITR
Sequence - E	-	-	-
Sequence - F	-	-	-

APPROVED BY :

