

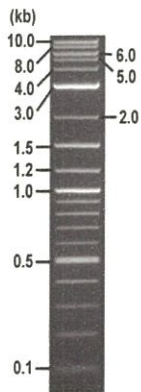


RIKEN DNA BANK

clone name : pmutant Smad RE-TK hRluc(F)

- Clone ID : RDB _ 05623
- Lot : 13758 _ A6A8
- 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

2-Log DNA Ladder
(NEB#N3200L),
125 ng/well



Electrophoresis : 95 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

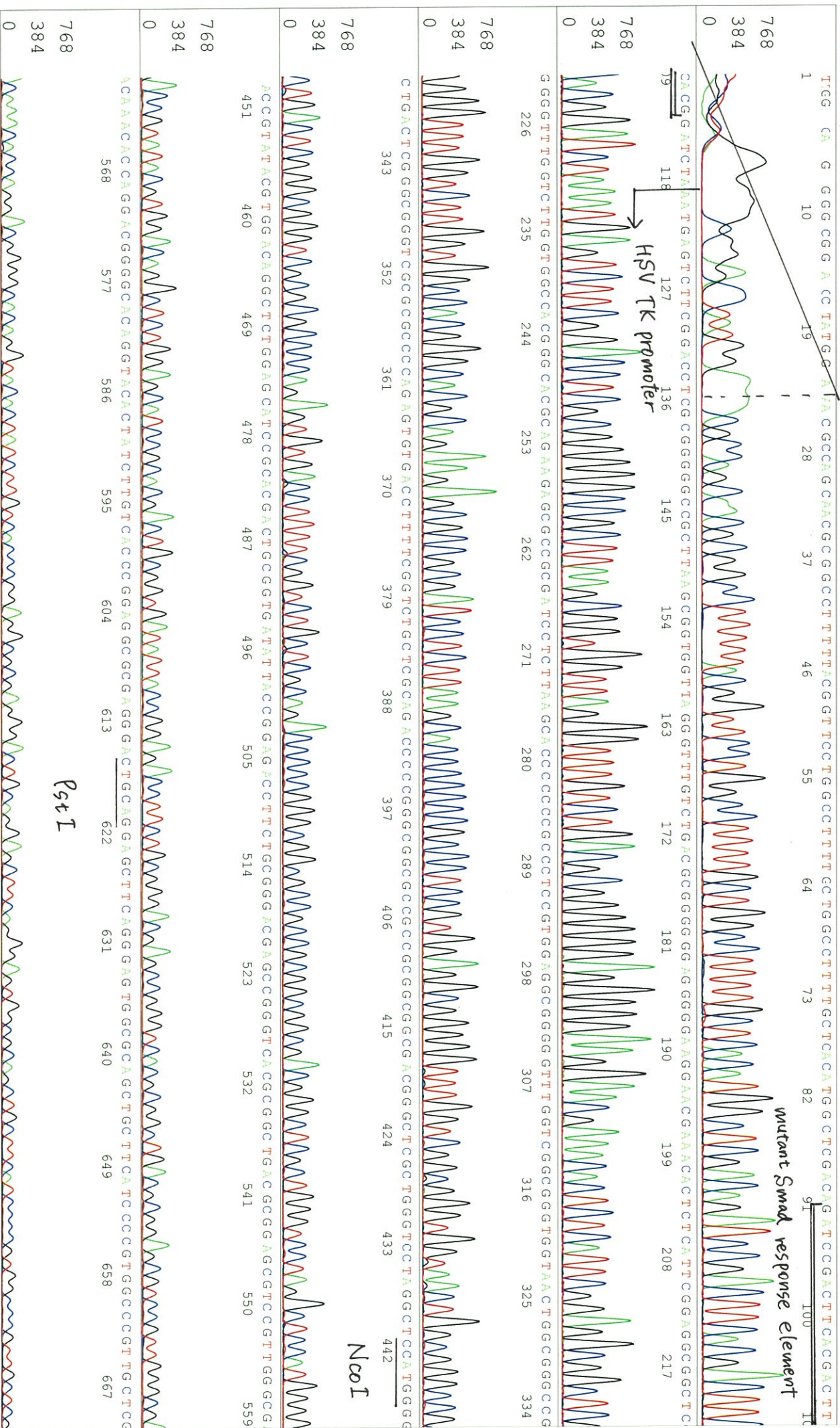
| Restriction enzyme | Expected size of fragment |
|----------------------|---------------------------|
| <u>EcoRI</u> | <u>4.1</u> kbp |
| <u>BamHI</u> | <u>4.1</u> kbp |
| <u>EcoRI + BamHI</u> | <u>2.5, 1.6</u> kbp |
| | kbp |
| | kbp |

● Confirmation of the insertion sequence

| Sequence name | Primer name | Sequence name | Primer name |
|---------------|-------------------------|---------------|-------------|
| Sequence - A | SV40pA3'Element Reverse | Sequence - E | - |
| Sequence - B | pAxCALNL_F1 | Sequence - F | - |
| Sequence - C | - | Sequence - G | - |
| Sequence - D | - | Sequence - H | - |

APPROVED BY :





S/N G:167 A:172 T:198 C:388
 KB.bcp
 KB 1.4.1.8 Cap:8

CGTTTGGCTGGCGGCTGTCCCCCGGAAGAATATATTGTCATGCTCTTAGTCTCTATGATGACCAAAACCCCGCCCAAGCTTGTTCATTTGGCGAAATTCGAAACAAGATG

EcoRI

784 793 802 811 820 829 838 847 856 865 874 883

PstI
HSV TK promoter → *HindIII*

TGACACAACAGTCTCGAACTTAAAGCTGCGAAGGTTGGTCCG TGA GCCAC TGG CCGA G T A AG T AT C A A G G T T A C A A G A C A G G T T T A A G G A G A C C A A T A G A A A

892 901 910 919 928 937 946 955 964 973 982

CTGGGCCTTGTCGAGACAGAGAA GAC TCTTGGCTTTCTGATA EGCAACCTAATTGGTC TAC TGAACATCAAC TTTGGCC TTTCT TCCAC A

991 1000 1009 1018 1027 1036 1045 1054 1063 1072

G T G T C A C T C C A A G T T C A T T A C A G C T C T A E G C T (A A A G T A C C G A C C T C A C T A A T A G G G C

1081 1090 1099 1108 1117 1126 1135

TAAG C CAG C CA GA TG

1144 1153

