Polylinker Map (pE-SUMO Vector, T7, Kan)
Vector Size: 5628bp

```
                                                  6x His Tag                  SdaI
                                        Met Gly His His His His His His Gly Ser Leu Gln Asp
AATAATTTTGTTTAACTTTAAGAAGGAGATATACC ATG GGT CAT CAC CAT CAT CAT CAC GGG TCC CTG CAG GAC
TTATTAAAACAAATTGAAATTCTTCCTCTATATGG TAC CCA GTA GTG GTA GTA GTA GTG CCC AGC GAC GTC CTG
                                                Smt3 Fusion Protein

Ser Glu Val Asn Gln Glu Ala Lys Pro Glu Val Lys Pro Glu Val Lys Pro Glu Thr His Ile
TCA GAA GTC AAT CAA GAA GCT AAG CCA GAG GTC AAG CCA GAA GTC AAG CCT GAG ACT CAC ATC
AGT CTT CAG TTA GTT CTT CGA TTC GGT CTC CAG TTC GGT CTT CAG TTC GGA CTC TGA GTG TAG

Asn Leu Lys Val Ser Asp Gly Ser Ser Glu Ile Phe Phe Lys Ile Lys Lys Thr Thr Pro Leu
AAT TTA AAG GTG TCC GAT GGA TCT TCA GAG ATC TTC TTC AAG ATC AAA AAG ACC ACT CCT TTA
TTA AAT TTC CAC AGG CTA CCT AGA AGT CTC TAG AAG AAG TTC TAG TTT TTC TGG TGA GGA AAT

Arg Arg Leu Met Glu Ala Phe Ala Lys Arg Gln Gly Lys Glu Met Asp Ser Leu Arg Phe Leu
AGA AGG CTG ATG GAA GCG TTC GCT AAA AGA CAG GGT AAG GAA ATG GAC TCC TTA AGA TTC TTG
TCT TCC GAC TAC CTT CGC AAG CGA TTT TCT GTC CCA TTC CTT TAC CTG AGG AAT TGC AAG AAC

Tyr Asp Gly Ile Arg Ile Gln Ala Asp Gln Ala Pro Glu Asp Leu Asp Met Glu Asp Asn Asp
TAC GAC GGT ATT AGA ATT CAA GCT GAT CAG GCC CCT GAA GAT TTG GAC ATG GAG GAT AAC GAT
ATG CTG CCA TAA CTT TAA GTT CGA CTA GTC CGG GGA CTT CTA AAC CTG TAC CTC CTA TTG CTA

                                                                                BsaI
Ile Ile Glu Ala His Arg Glu Gln Ile Gly Gly
ATT ATT GAG GCT CAC CGC GAA CAG ATT GG      AGGTTGAGACC ACTAGTGGTACC GGTCTCA     CTAGA
TAA TAA CTC CGA GTG GCG CTT GTC TAA CCTCCA     ACTCTGG TGATCACCATGG CCAGAGTGATC     T
                                   ▲
                SUMO Protease 1 cleavage site      BsaI

                    MCS
GGATCCGAATTCGAGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGCACCACCACCACCACCACTGAGATCCGGCTGCTAACAAAGCCC
CCTAGGCTTAAGCTCGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCGTGGTGGTGGTGGTGGTGACTCTAGGCCGACGATTGTTTCGGG
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Multiple Cloning Site (MCS)

pE-SUMO vector has to be linearized with BsaI or Eco31I restriction enzyme

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                                                                    NotI
Gly  Gly                                                
                  XbaI[1]  BamHI          SacI     SalI     HindIII  EagI     XhoI
GG                CTAGA    GGATCC GAATTC GAGCTCC GTCGAC AAGCTT GCGGCCGC ACTCGAG CACCA
CCTCCA                T    CCTAGG CTTAAG CTCGAGG CAGCTG TTCGAA CGCCGGCG TGAGCTC GTGGT
```

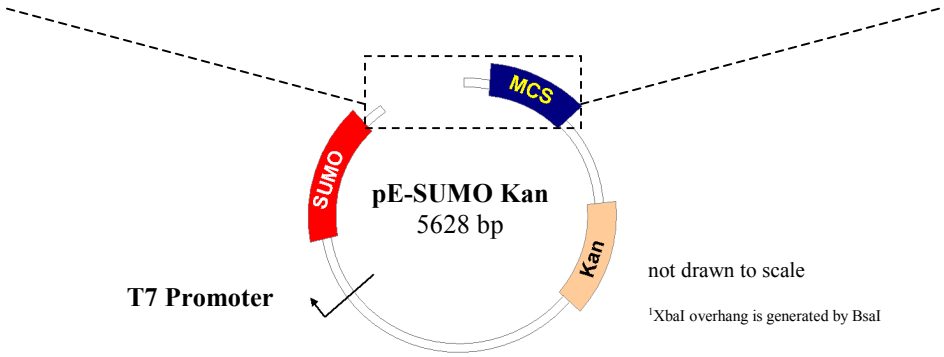

not drawn to scale

[1]XbaI overhang is generated by BsaI

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