

5'--TATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGG GGTACC ACCATGT *Kpn I*

Secretory signal sequence

ACAGGATGCAACTCCTGTCTTGCATTGCACTAAGTCTTGCCTTGTCACGAATTCGGCGTTGC

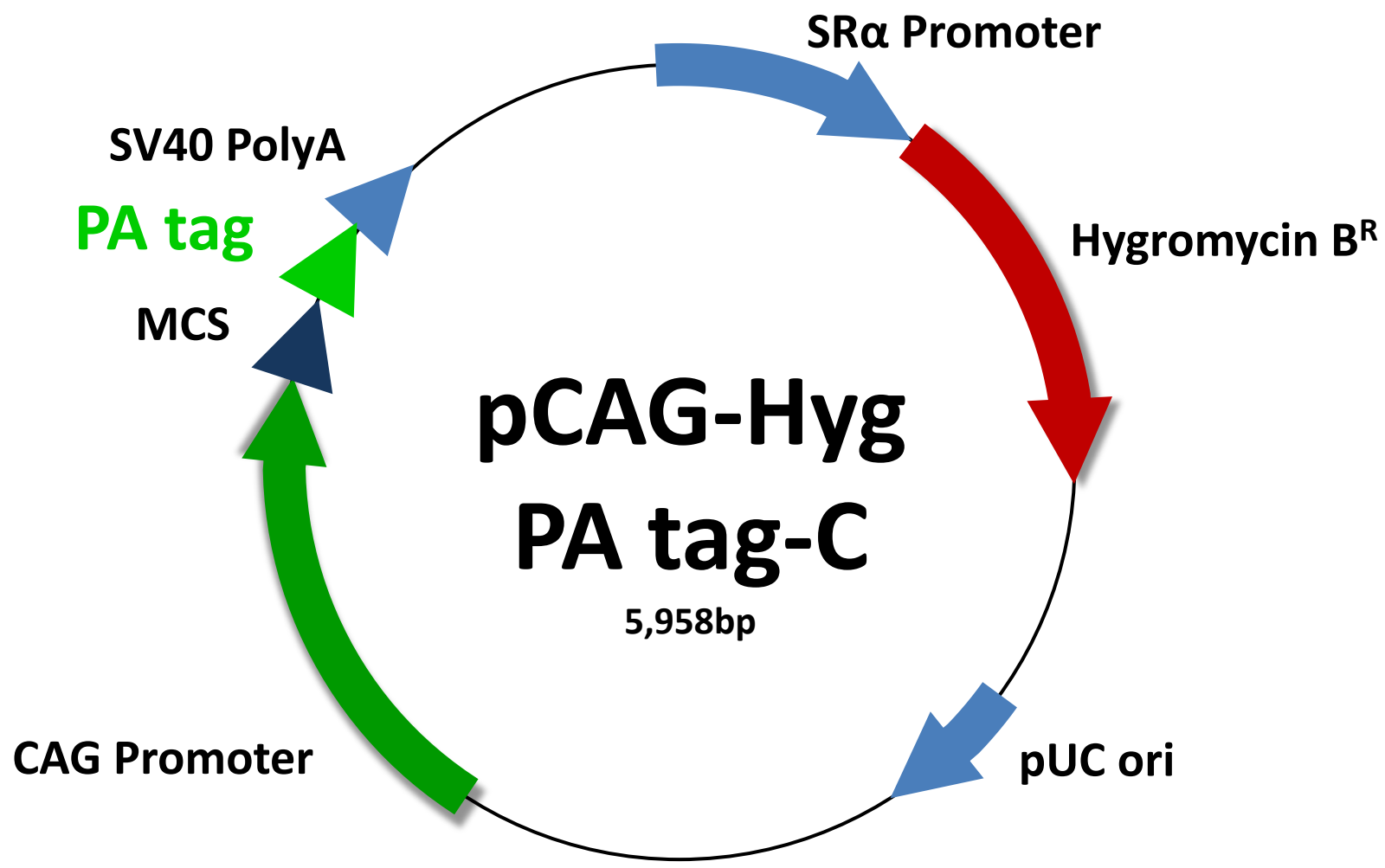
PA tag sequence

CATGCCAGGTGCCGAAGATGATGTGGTGC CTCGAG GTCGAC GGT ATCGAT AAGCTT GATATCG

*Xho I*      *Sal I*      *Cla I*      *EcoRV*

AATTCCTGCAGCCCGGG GGATCC ACTAGT TCTAGA GCGGCCGC GACTCTAGAT--3'

*BamH I*      *Spe I*      *Not I*



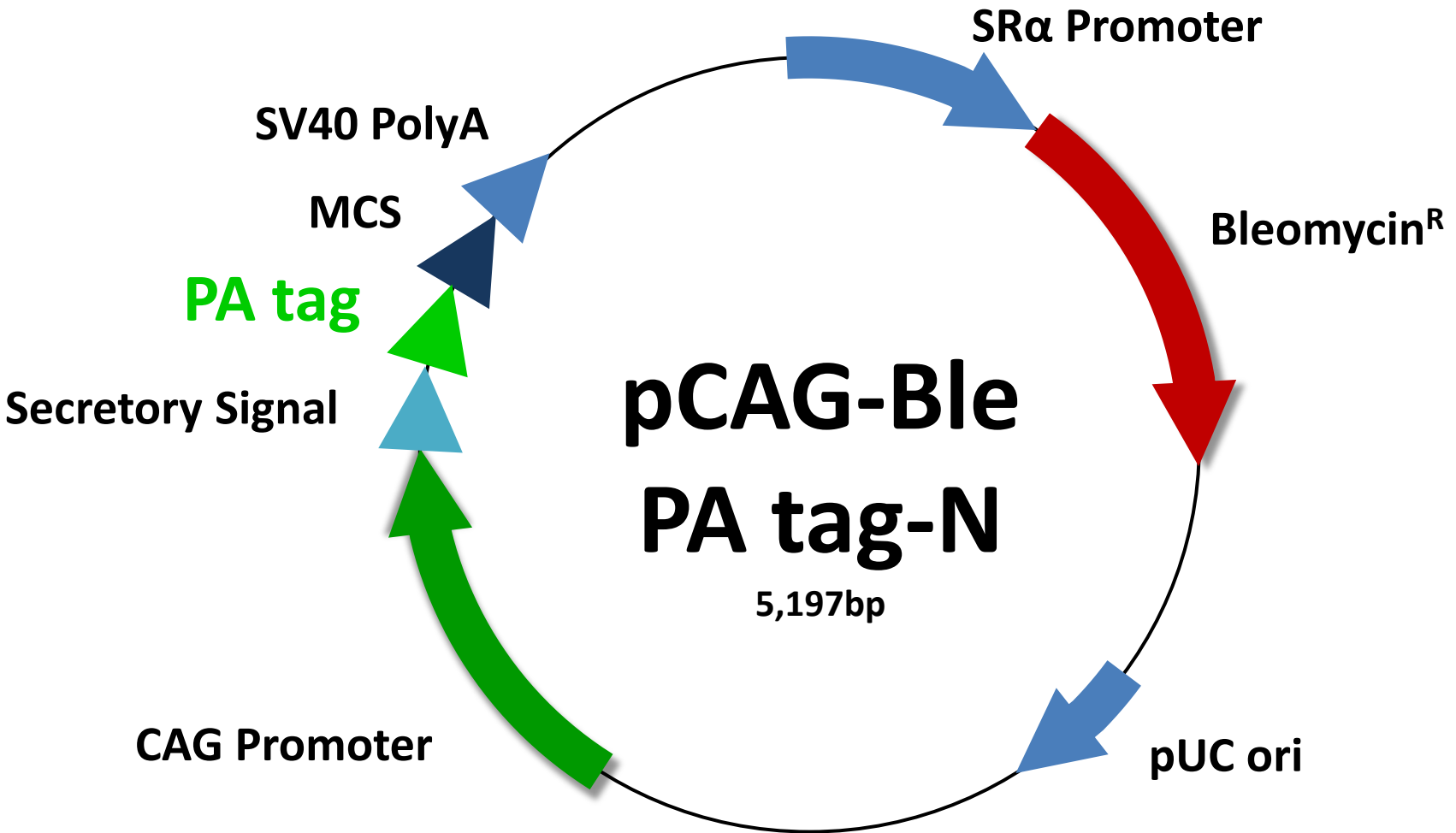
5'--TATTGTGCTGTCTCATCATTGGCAAAGAATTAACCCTCACTAAAGGGGGTACC GGGCCC

*Xho* I    *Sal* I                    *Cla* I                    *EcoR* V                    *Bam*H I

CCCCTCGAGGTCGACGGTATCGATAAGCTTGATATCGAATTCCTGCAGCCCGGGGGATCCAC

*Spe* I                    PA tag sequence                    *Not* I

TAGTGGCGTTGCCATGCCAGGTGCCGAAGATGATGTGGTGTAAAGCGGCCGC GACTCTA--3'



5'--TATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGGGGTACCACCATGT

Secretory signal sequence

ACAGGATGCAACTCCTGTCTTGCATTGCACTAAGTCTTGCACCTTGTCACGAATTCGGGCGTTGC

PA tagsequence

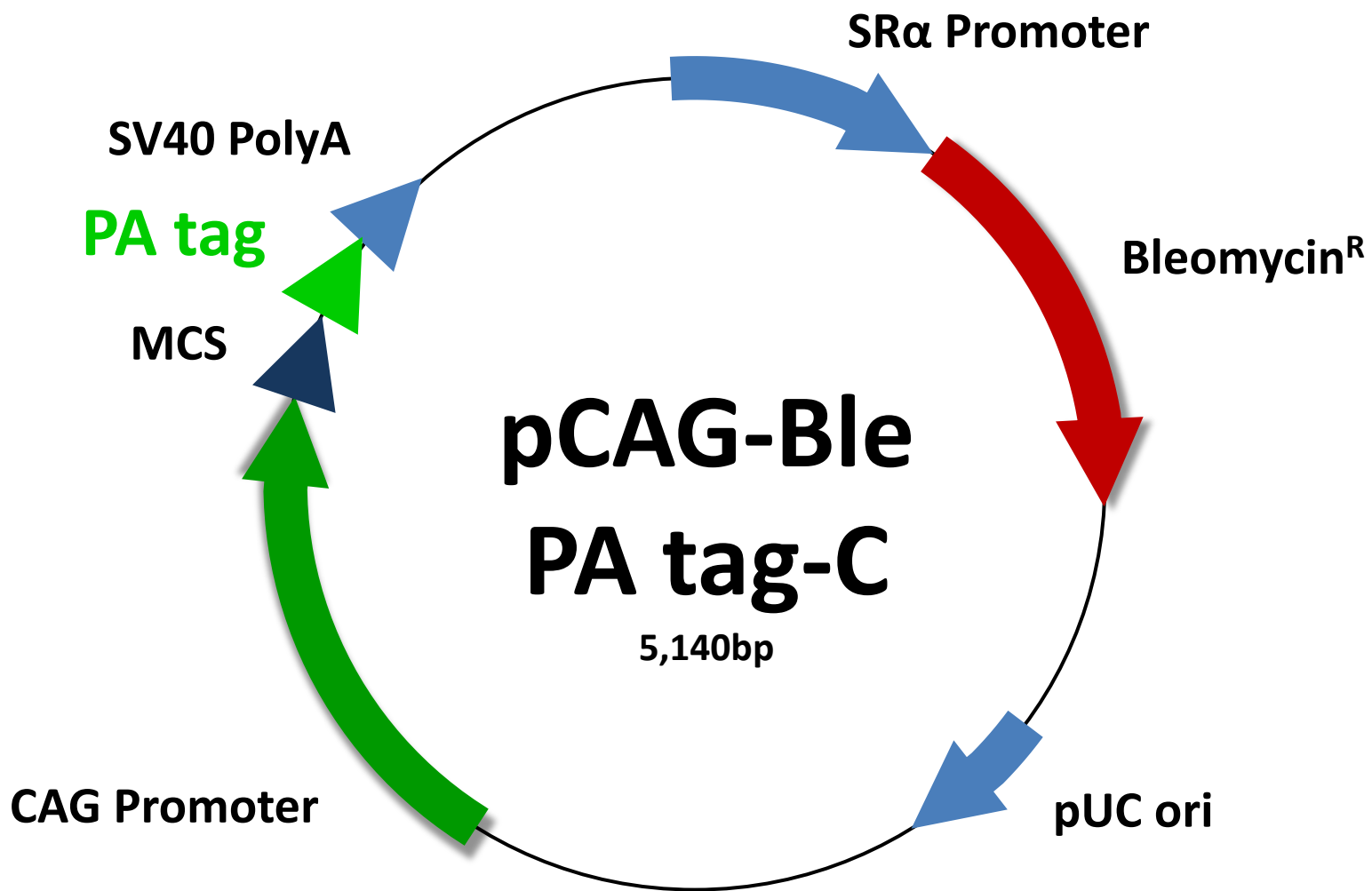
CATGCCAGGTGCCGAAGATGATGTGGTGTCTCGAGGTCGACGGTATCGATAAGCTTGATATCG

AATTCCTGCAGCCCGGGGGATCCACTAGTTCTAGAGCGGCCGC GACTCTAGAT--3'

*Kpn I*

*Xho I* *Sal I* *Cla I* *HindIII* *EcoRV*

*Pst I* *BamH I* *Spe I* *Not I*



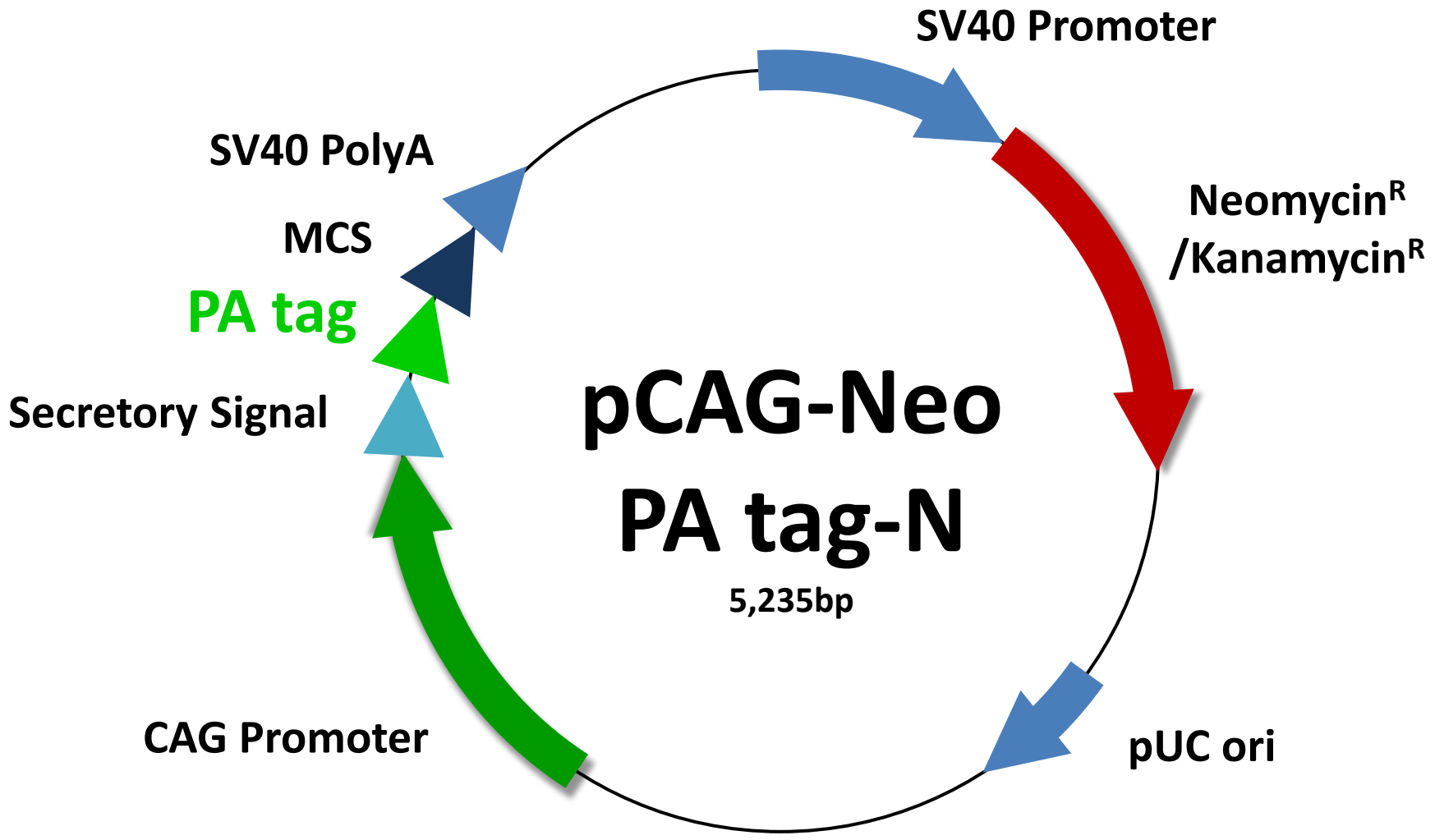
5'--TATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGGGGGTACC GGGCCC

*Xho* I    *Sal* I                    *Cla* I    *Hind* III    *Eco* R V                    *Pst* I                    *Bam* H I

CCCCTCGAGGTCGACGGTATCGATAAAGCTTGATATCGAATTCCTGCAGCCCGGGGGGATCCAC

*Spe* I                    PA tag sequence                    *Not* I

TAGTGGCGTTGCCATGCCAGGTGCCGAAGATGATGTGGTGTAAAGCGGCCGC GACTCTA--3'



5'--TATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGGGGTACCACCATGT  
*Kpn I*

Secretory signal sequence

ACAGGATGCAACTCCTGTCTTGCATTGCACTAAGTCTTGCCTTGTCACGAATTCGGGCGTTGC

PA tag sequence

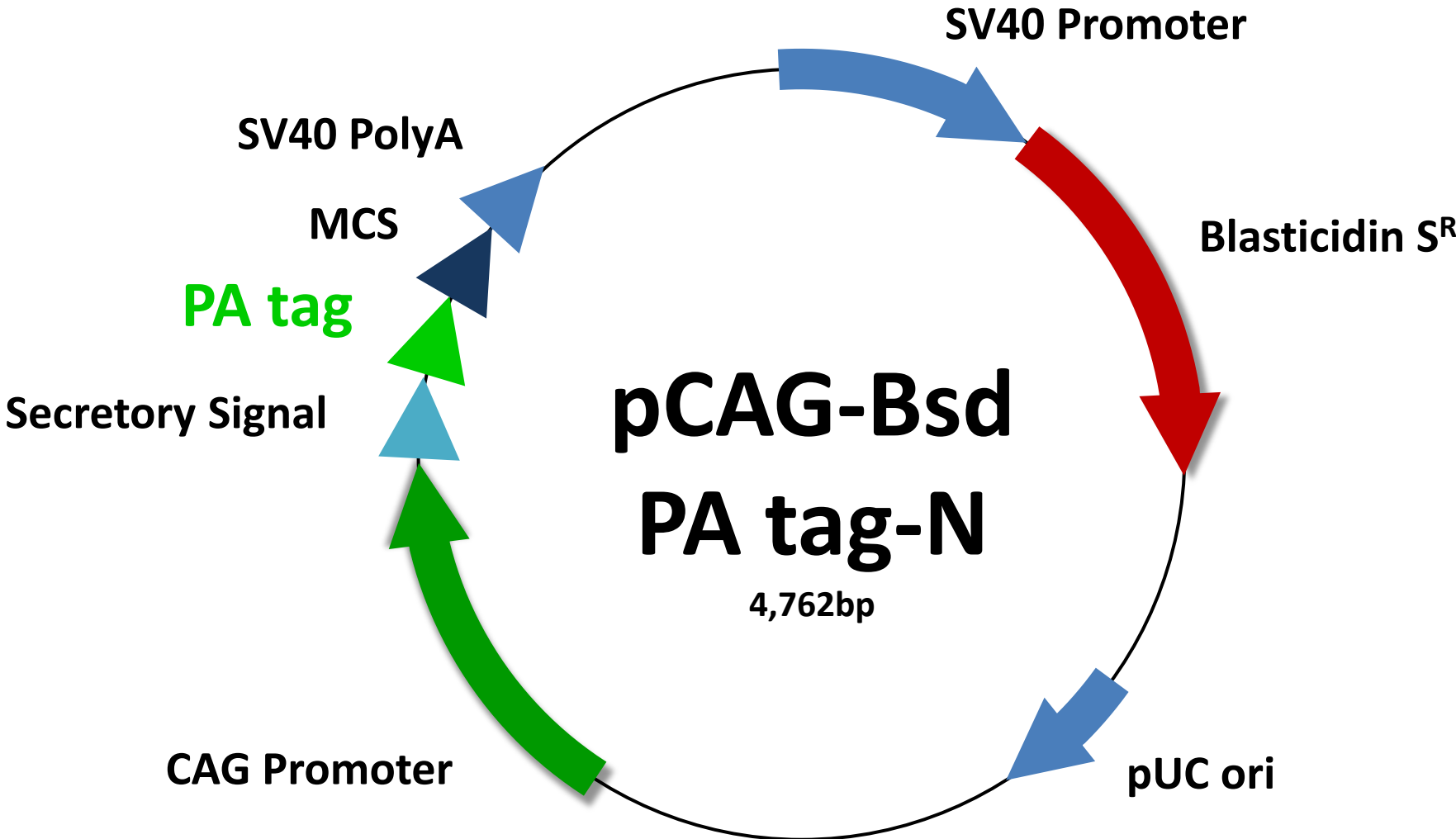
*Xho I* *Sal I* *Cla I* *HindIII* *EcoRV*

CATGCCAGGTGCCGAAGATGATGTGGTGCTCGAGGTCGACGGTATCGATAAGCTTGATATCG

*Pst I* *Sma I* *BamH I* *Spe I* *Not I*

AATTCCTGCAGCCCGGGGGATCCACTAGTCTCTAGAGCGGCCGCGACTCTAGAT--3'





5'--TATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGG GGTACC ACCATGT *Kpn I*

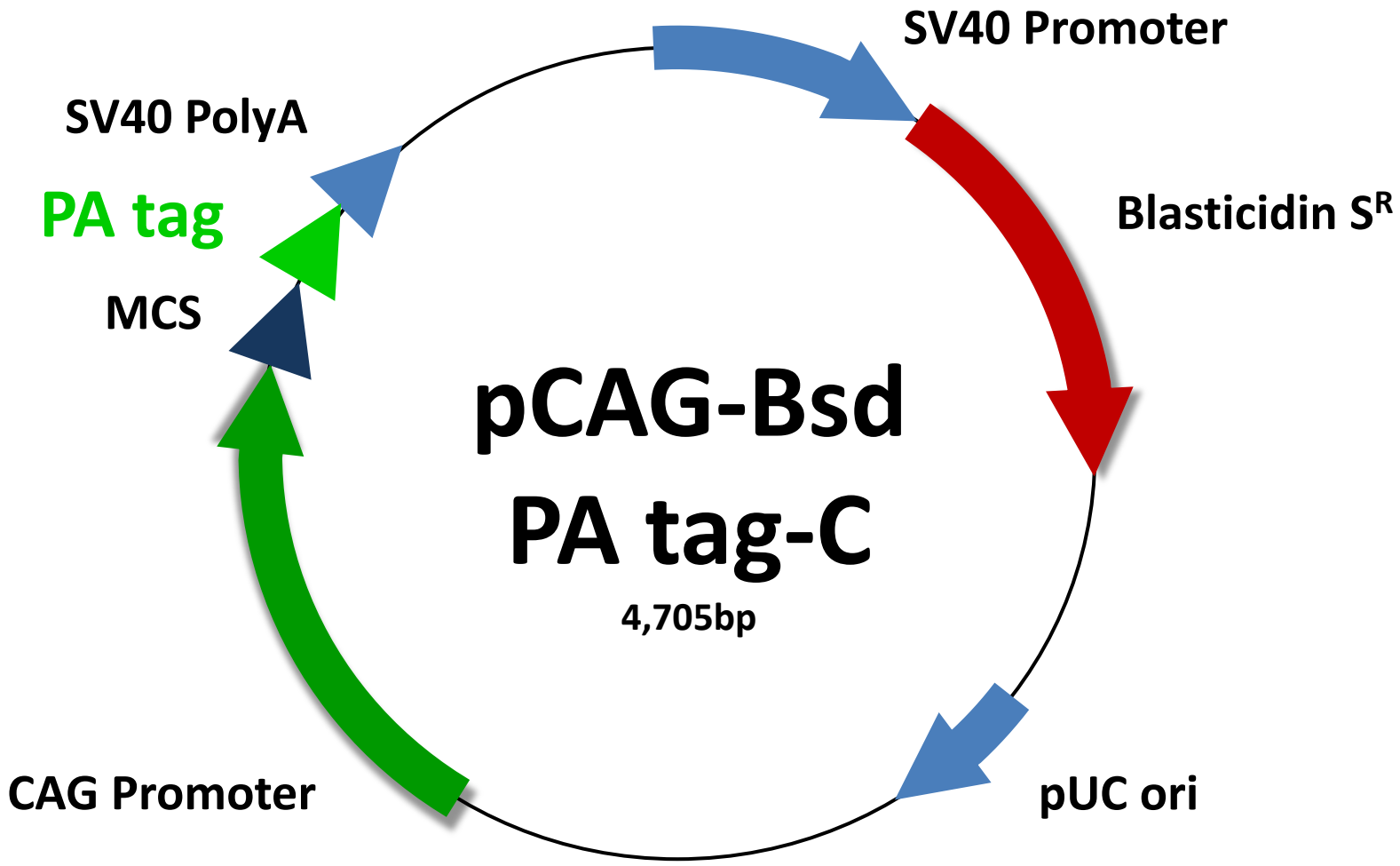
Secretory signal sequence

ACAGGATGCAACTCCTGTCTTGCATTGCACTAAGTCTTGCACCTTGTCACGAATTCG GGCGTTGC

PA tag sequence

CATGCCAGGTGCCGAAGATGATGTGGTG CTCGAG GTCGAC GGT ATCGAT AAGCTT GATATCG *Xho I Sal I Cla I HindIII EcoRV*

AATTC CTGCAG CCCGGG GGATCC ACTAGT TCTAGA GCGGCCGC GACTCTAGAT--3' *Pst I BamH I Spe I Not I*



5'--TATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGG GGTACC GGGCCC

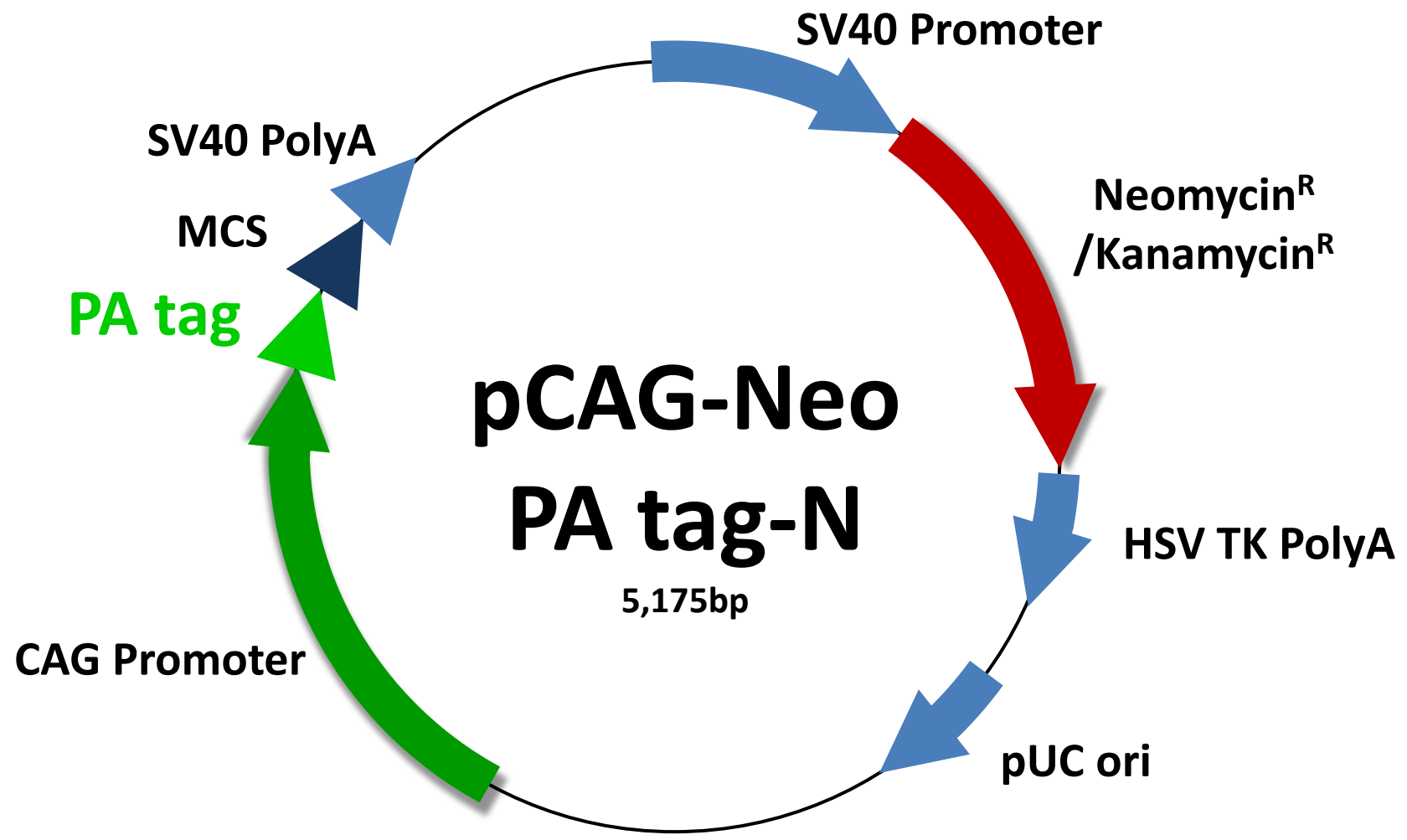
*Xho* I    *Sal* I                    *Cla* I    *Hind* III    *Eco*R V    *Eco*R I    *Pst* I                    *Bam*H I

CCC CTCGAG GTCGAC GGT ATCGAT AAGCTT GATATC GAATTC CTGCAG CCCGGG GGATCC ACT

*Spe* I                    PA tag sequence                    *Not* I

AGT GGCGTTGCCATGCCAGGTGCCGAAGATGATGTGGTGTAA GCGGCCGC GACTCTA--3'





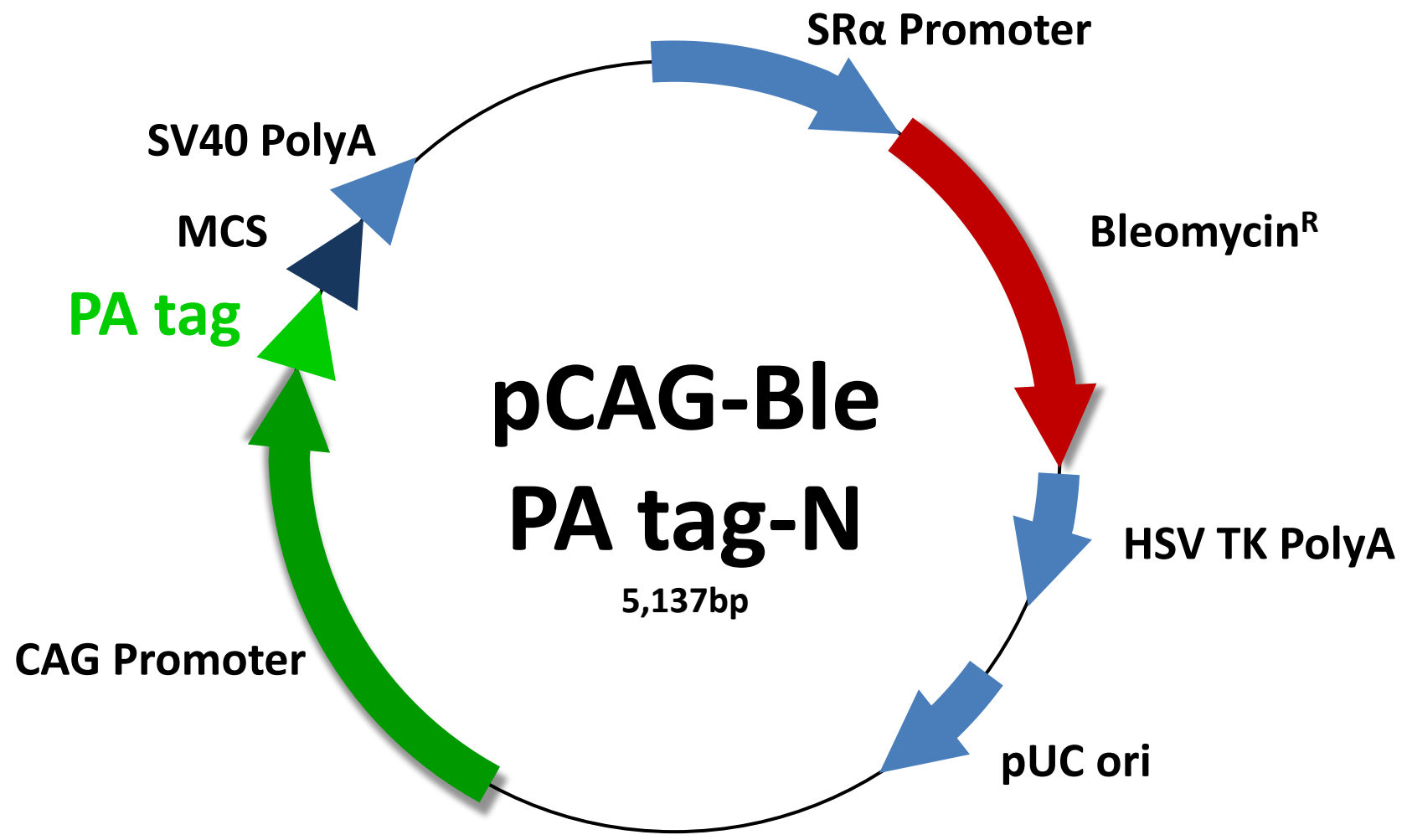
5'--TTATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGG

*Kpn I* PA tag sequence *Xho I*  
GGTACCATGGGCGTTGCCATGCCAGGTGCCGAAGATGATGTGGGTGCTCGAG

*Sal I* *Cla I* *Hind III* *EcoR V* *EcoR I* *Sma I* *BamH I*  
GTCGACGGTATCGATAAGCTTGATATCGAATTCCTGCAGCCCGGGGGATCC

*Spe I* *Not I*  
ACTAGTTCTAGAGCGGCCGC GACTCTAGAT--3'





5'--TTATTGTGCTGTCTCATCATTTTGGCAAAGAATTAACCCTCACTAAAGG

*Kpn I* PA tag sequence *Xho I*  
GGTACCATGGGCGTTGCCATGCCAGGTGCCGAAGATGATGTGGGTGCTCGAG

*Sal I* *Cla I* *Hind III* *EcoR V* *Pst I* *BamH I*  
GTCGACGGTATCGATAAGCTTGATATCGAATTCCTGCAGCCCGGGGGGATCC

*Spe I* *Not I*  
ACTAGTTCTAGAGCGGCCGC GACTCTAGAT--3'

