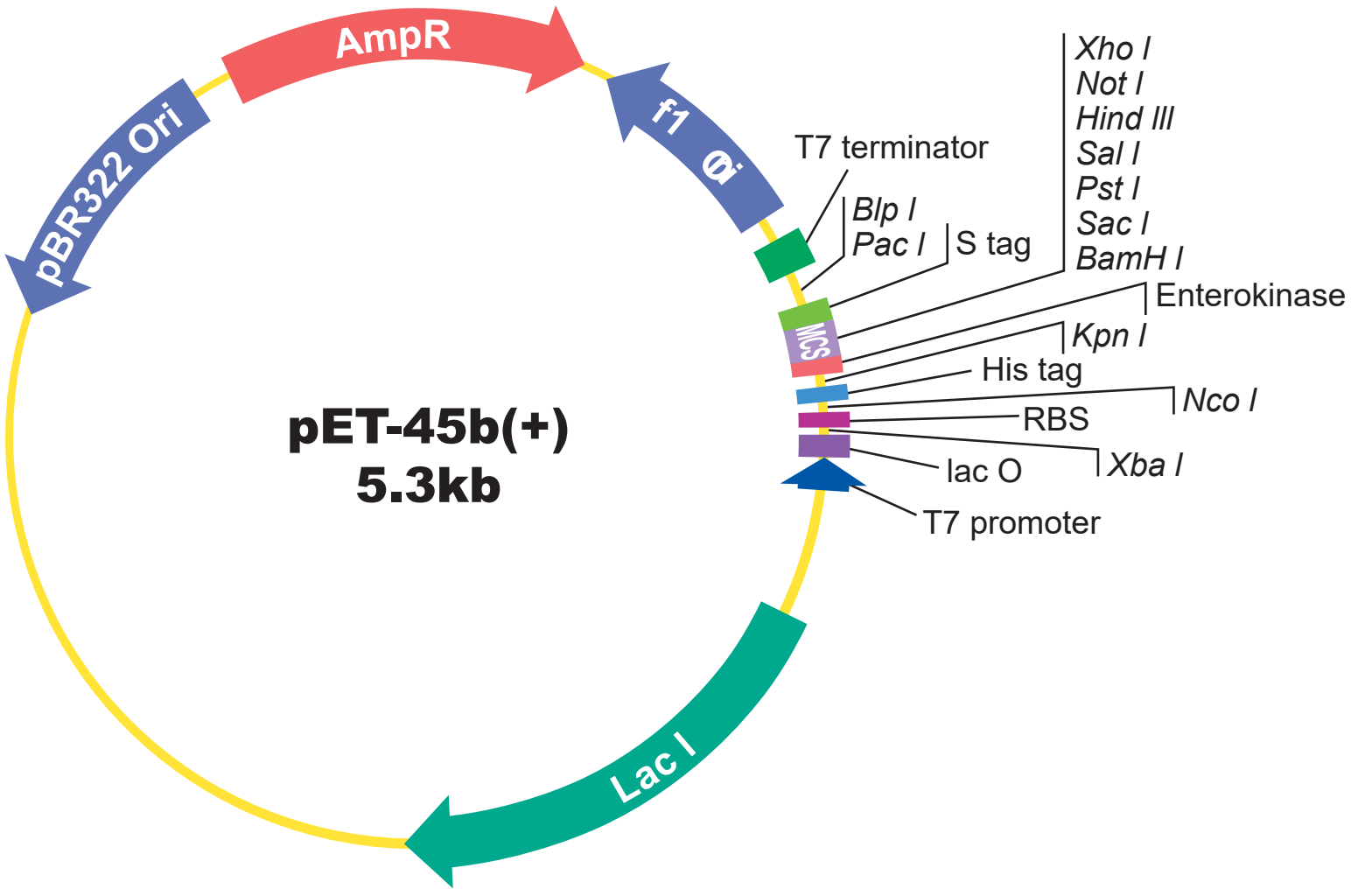

T7 promoter — lac operator — *Xba* I — rbs — *Nco* I — His tag

--- TAA TAC GAC TCA CTA TAG GGG AAT TGT GAG CGG ATA ACA ATT CCC CTC TAG AAA TAA TTT TGT TTA ACT TTA AGA AGG AGA TAT ACC ATG GCA CAT CAC CAC CAC

M A H H H H

Kpn I — *Bam*H I — *Sac* I — *Pst* I — *Sal* I — *Hin*d III — *Not* I — *Xho* I

CAT CAC GTG GGT ACC GGT TCG AAT GAT GAC GAC GAC AAG AGT CCG GAT CCC AAT TGG GAG CTC GTG TAC ACG GCG CGC CTG CAG GTC GAC AAG CTT GCG GCC GCA CTC

H H V G T G S N D D D D K S P D P N W E L V Y T A R L Q V D K L A A A L

enterokinase site

S tag — *Pac* I — *Blp* I

GAG TCT GGT AAA GAA ACC GCT GCT GCG AAA TTT GAA CGC CAG CAC ATG GAC TCG TCT ACT AGC GCA GCT TAA TTA ACC TAG GCT GCT GCC ACC GCT GAG CAA TAA CTA

E S G K E T A A A K F E R Q H M D S S T S A A Stop

T7 teminator

GCA TAA CCC CTT GGG GCC TCT AAA CGG GTC TTG AGG GGT TTT TTG ---