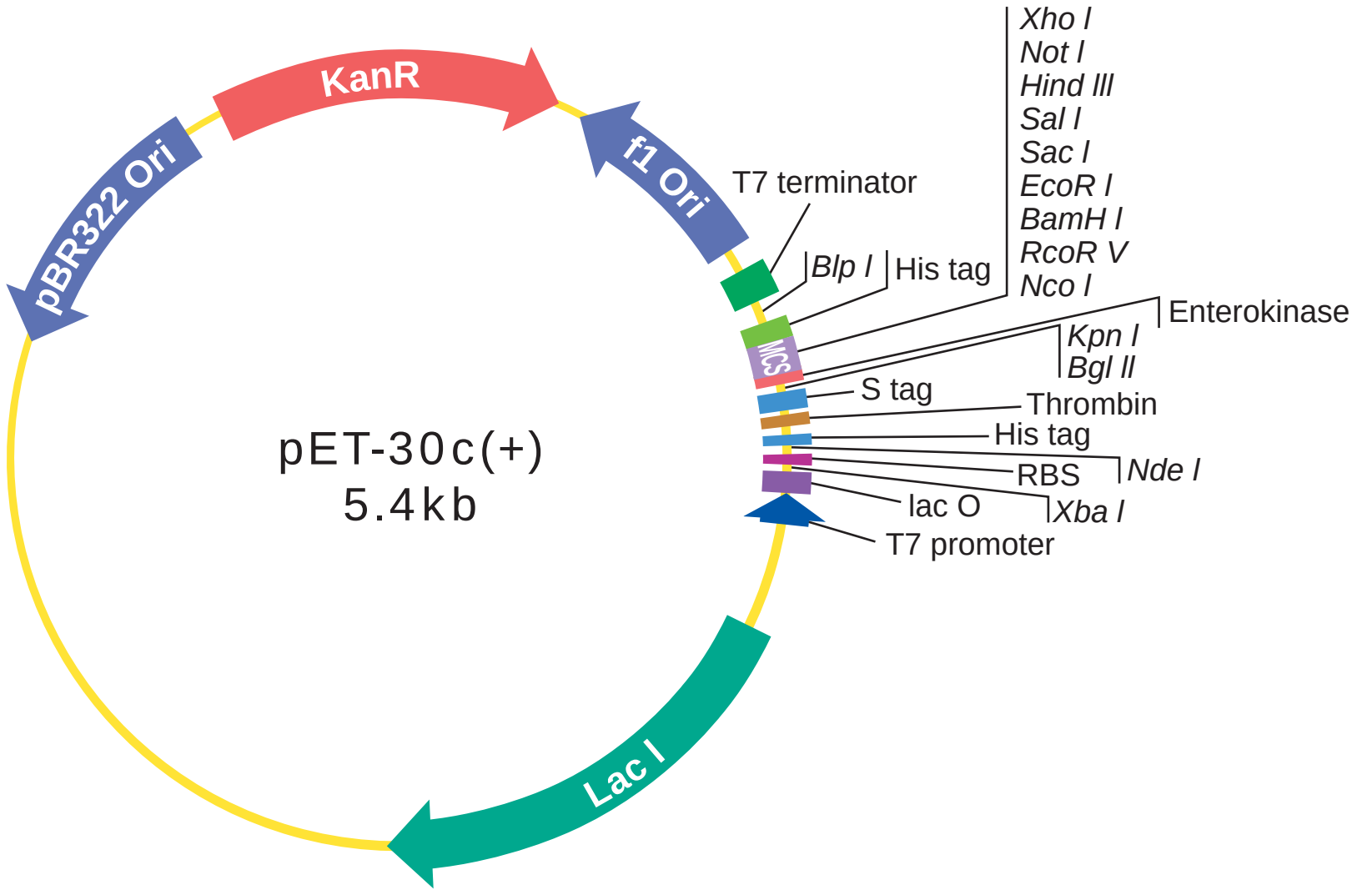

T7 promoter — lac operator — *Xba* I — rbs

--- A GAT CGA TCT CGA TCC CGC GAA ATT AAT ACG ACT CAC TAT AGG GGA ATT GTG AGC GGA TAA CAA TTC CCC TCT AGA AAT AAT TTT GTT TAA CTT TAA GAA GGA GAT ATA

Nde I — His tag — S tag — *Bgl* II

CAT ATG CAC CAT CAT CAT CAT CAT CAT TCT TCT GGT CTG GTG CCA CGC GGT TCT GGT ATG AAA GAA ACC GCT GCT GCT AAA TTC GAA CGC CAG CAC ATG GAC AGC CCA GAT CTG

M H H H H H H S S G L V P R G S G M K E T A A A K F E R Q H M D S P D L

thrombin site

Kpn I — *Nco* I — *Eco*R V — *Bam*H I — *Eco*R I — *Sac* I — *Sal* I — *Hin*d III — *Not* I — *Xho* I — His tag

GGT ACC GAC GAC GAC GAC AAG GCC ATG GGA TAT CTG TGG ATC CGA ATT CGA GCT CCG TCG ACA AGC TTG CGG CCG CAC TCG AGC ACC ACC ACC ACC ACC ACT GAG ATC CGG

G T D D D D K A M G Y L W I R I R A P S T S L R P H S S T T T T T T E I R

Blp I — T7 terminator

CTG CTA ACA AAG CCC GAA AGG AAG CTG AGT TGG CTG CTG CCA CCG CTG AGC AAT AAC TAG CAT AAC CCC TTG GGG CCT CTA AAC GGG TCT TGA GGG GTT TTT TG ---