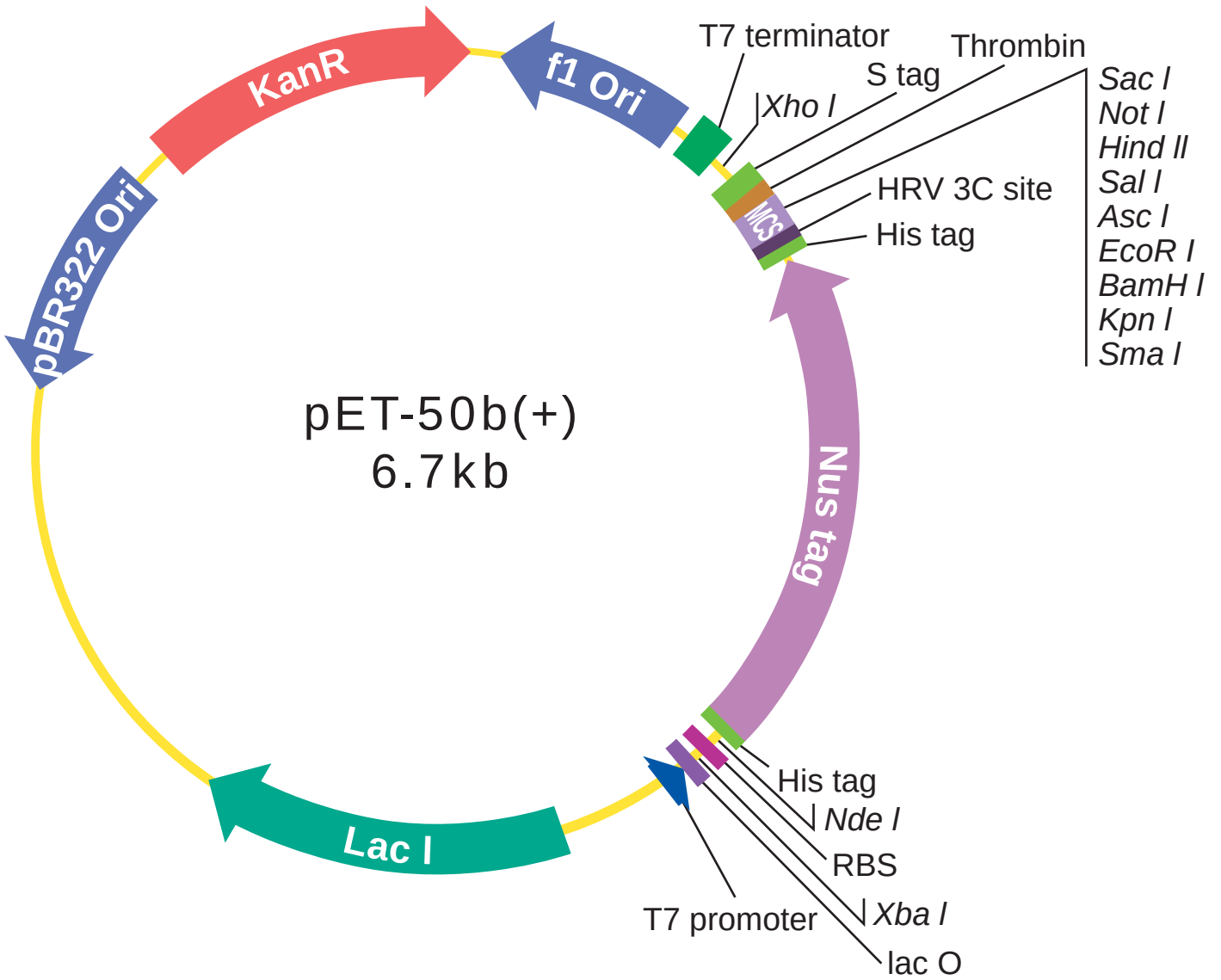

T7 promoter — lac operator — *Xba* I — rbs — *Nde* I

--- T 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 CAT ATG GGC AGC AGC CAT CAC

M G S S H H

His tag — Nus tag — His tag

CAC CAT CAC CAT TCT AGT ATG ... 1443bp ... ATG GCT GCC CGT AAT ATT TGC TGG TTC GGT GAC GAA GCG ACT AGT GGT TCT GGT CAT CAC CAT CAC CAT CAC TCC GCG GCT

H H H H S S M ... 481 aa ... M A A R N I C W F G D E A T S G S G H H H H H H S A A

Sma I *Kpn* I — *Bam*H I *Eco*R I — *Asc* I — *Sal* I *Hin*d III *Not* I — *Sac* I

CTT GAA GTC CTC TTT CAG GGA CCC GGG TAC CAG GAT CCG AAT TCT GTA CAG GCC TTG GCG CGC CCG ACG TCC GTC GAC AAG CTT GCG GCC GCA GAG CTC GCT CTG GTG

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

HRV 3C site

S tag — *Xho* I

CCA CGC GGT AGT AAA GAA ACC GCT GCT GCT AAA TTC GAA CGC CAG CAC ATG GAC AGC TCT ACT TCT GCT GCT CTC GAG GCT TAA TTA ACC TAG GCT GCT AAA CAA ---

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

thrombin site