



--- 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

T7 promoter
lac operator
Xba I
rbs

ATA CAT ATG AAA GAA ACC GCT GCT GCT AAA TTC GAA CGC CAG CAC ATG GAC AGC CCA GAT CTG GGT ACC CTG GTG CCA CGC GGT TCC ATG GCG ATA TCG GAT CCG

Nde I
S tag
Bgl II
Kpn I
Nco I
EcoR V
BamH I

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

thrombin site

AAT TCG AGC TCC GTC GAC AAG CTT GCG GCC GCA CTC GAG CAC CAC CAC CAC CAC CAC TGA GAT CCG GCT GCT AAC AAA GCC CGA AAG GAA GCT GAG TTG GCT GCT

EcoR I
Sac I
Sal I
Hind III
Not I
Xho I
His tag

N S S S V D K L A A A L E H H H H H H Stop

Bgl I
T7 terminator

GCC ACC GCT GAG CAA TAA CTA GCA TAA CCC CTT GGG GCC TCT AAA CGG GTC TTG AGG GGT TTT TTG ---