



--- 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 GCT GAT ATC GGA TCC

Nde I
S tag
Bgl II
Kpn I
Nco I
EcoRV
BamHI

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 D I G S
thrombin site

GAA TTC GAG CTC CGT CGA CAA GCT TGC GGC CGC ACT CGA GCA CCA CCA CCA CCA CCA CTG AGA TCC GGC TGC TAA CAA AGC CC GAA AGG AAG CTG AGT TGG CTG

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

E F E L R R Q A C G R T R A P P P P L R S G C
Stop

Blp I
T7 terminator

CTG CCA CCG CTG AGC AAT AAC TAG CAT AAC CCC TTG GGG CCT CTA AAC GGG TCT TGA GGG GTT TTT TG ---