



--- 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 CAC 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

Nde I
His tag
thrombin site
S tag

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

GAT CTG GGT ACC GAC GAC GAC GAC AAG GCC ATG GCG ATA TCG GAT CCG AAT TCG AGC TCC GTC GAC AAG CTT GCG GCC GCA CTC GAG CAC CAC CAC CAC CAC CAC TGA

Bgl II
Kpn I
Nco I
EcoR V
BamH I
EcoR I
Sac I
Sal I
Hind III
Not I
Xho I
His tag

D L G T D D D D K A M A I S D P N S S S V D K L A A A L E H H H H H H Stop

GAT CCG GCT GCT AAC AAA GCC CGA AAG GAA GCT GAG TTG GCT GCT GCC ACC GCT GAG CAA TAA CTA GCA TAA CCC CTT GGG GCC TCT AAA CGG GTC TTG AGG GGT TTT TTG ---

Blp I
T7 terminator